



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

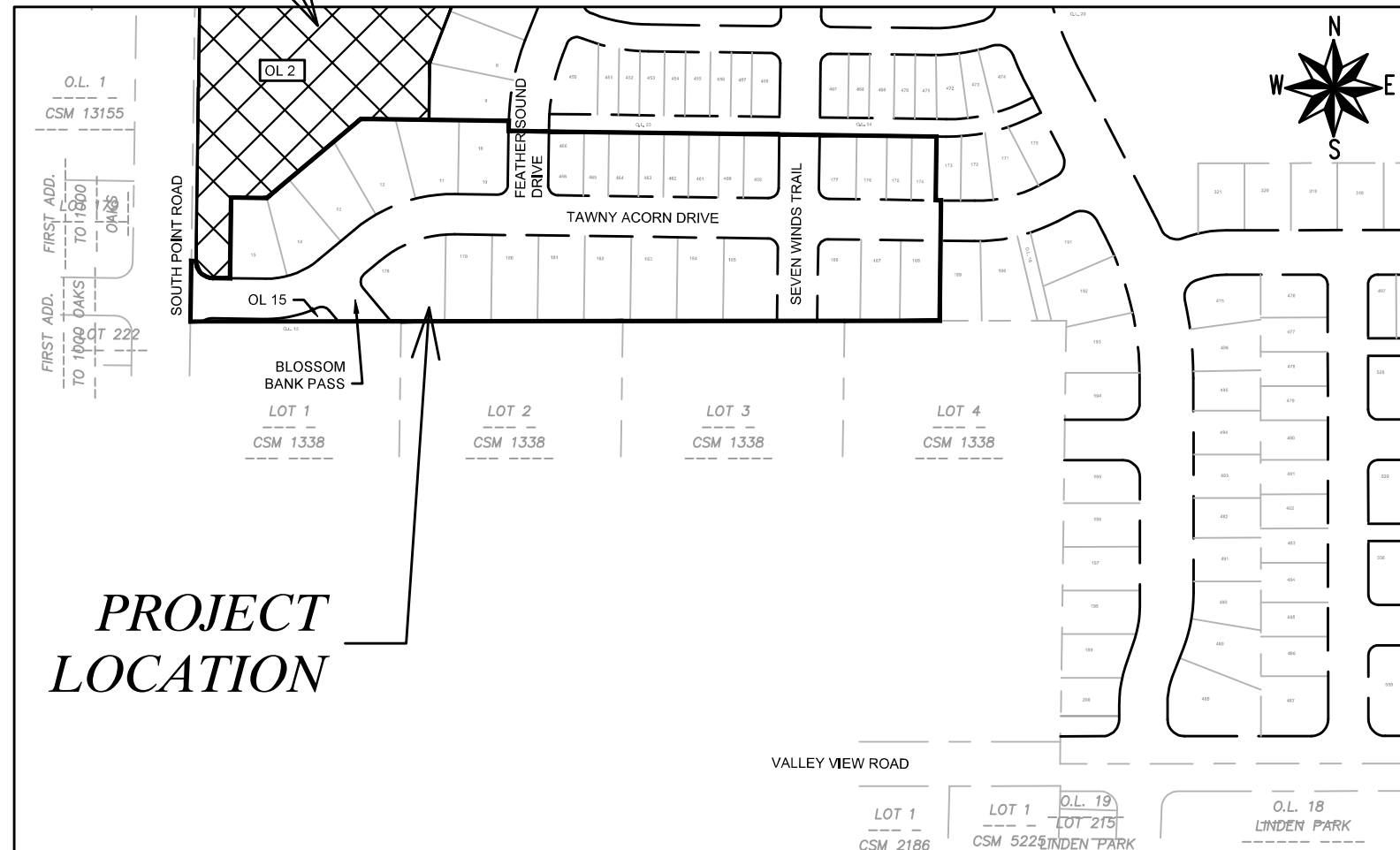
#### INDEX OF SHEETS

SHEET NO.	NOTES AND DETAILS
D1-D2	NOTES AND DETAILS
P1-P6	STREET PLAN & PROFILES
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STORMWATER MANAGEMENT PLAN  
PROJECT NO. 11936  
CONTRACT NO. 8199

## ACACIA RIDGE PHASE 7

CITY PROJECT NO. 13767  
CONTRACT NO. 9070



PROJECT  
LOCATION

PUBLIC IMPROVEMENT PROJECT  
APPROVED

FEBRUARY 1, 2022

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

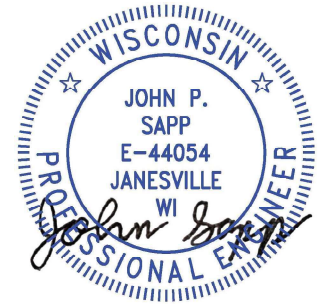
*Greg Fries*

Jun 3, 2022

City Engineer

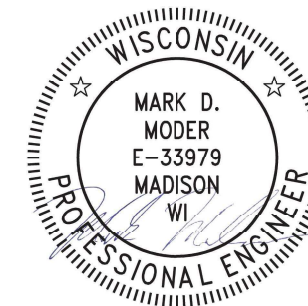
Date

STREET GRADES  
DESIGNED BY:



Jun 3, 2022

SANITARY SEWER  
DESIGNED BY:



Jun 3, 2022

STORM SEWER  
DESIGNED BY:



Jun 3, 2022

STREET GEOMETRY  
DESIGNED BY:



Jun 3, 2022

WATER  
DESIGNED BY:



Jun 3, 2022

PLOT SCALE: 1 IN=1 FT\_XREF

PLOT NAME: ---

REV. DATE: 3/23/2022 3:52 PM




ORIGINATOR: CITY\_OF\_MADISON

ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.

AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm)

DEVELOPER MUST SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 14 DAYS PRIOR TO THE START OF WORK. WORK SHALL NOT PROCEED UNTIL AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE.

CONTACT PROJECT ENGINEER AND STREET DESIGNER LUKAS COLLINS AT [LCOLLINS@CITYOFMADISON.COM](mailto:LCOLLINS@CITYOFMADISON.COM) FOR CAD AND ALIGNMENT DATA PRIOR TO STAKING.

CONVENTIONAL SIGNS	
<b>FIELD VERIFY ALL UTILITY LOCATIONS</b>	
GAS	—— G ——
STORM SEWER	—— ST ——
SANITARY SEWER	—— SN ——
WATER	—— W ——
BURIED ELECTRIC	—— E ——
OVERHEAD ELECTRIC	—— OH ——
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

ALL PAVEMENT IN THE SEVEN WINDS TRAIL, FEATHER SOUND DRIVE, BLOSSOM BANK PASS, AND TAWNY ACORN RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

UNDERDRAINS SHALL BE INSTALLED PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.04. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

CURB STATION AND OFFSETS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

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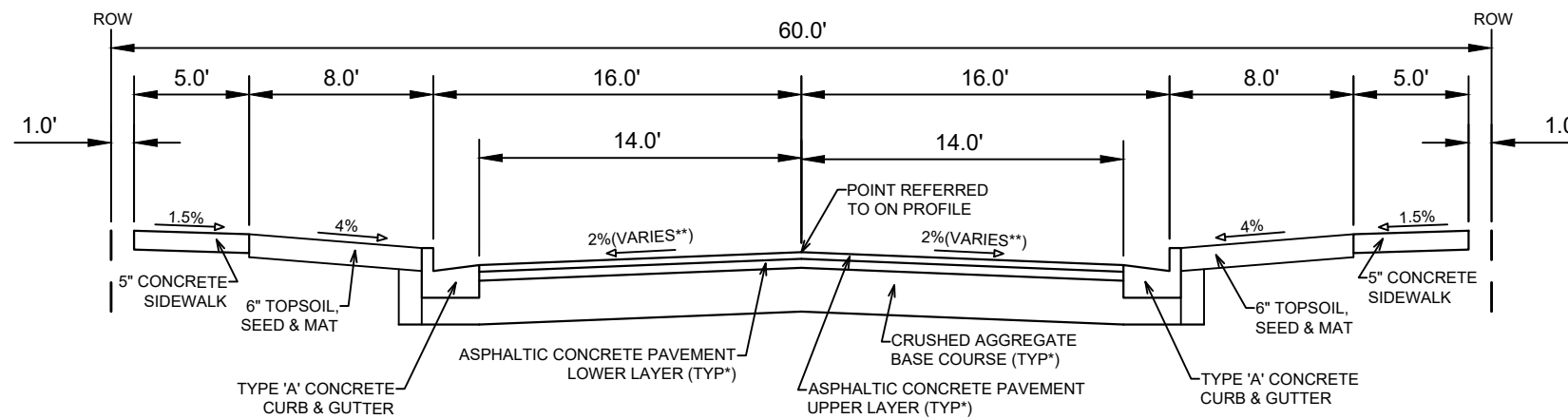
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MADISON, WI  
9070  
CONTRACT NO:

STANDARD NOTES  
ACACIA RIDGE PHASE 7  
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13767  
D-1

REV 06/10/2022 BY LMC



**TYPICAL SECTION**  
 TAWNY ACORN DRIVE  
 BLOSSOM BANK PASS  
 FEATHER SOUND DRIVE  
 SEVEN WINDS TRAIL

NOTES:

\* TAWNY ACORN DRIVE, BLOSSOM BANK PASS, FEATHER SOUND DRIVE, AND SEVEN WINDS TRAIL SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†

\*\* STATION OFFSET ELEVATION CALLOUTS AT **EDGE OF PAVEMENT**

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 7.  
 SEE ACACIA RIDGE PHASE 7 - SURFACE PAVING CONTRACT NO. 9071.

CITY OF MADISON MINIMUM PAVEMENT DESIGN†

TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT 58-28 S/H	2.00"

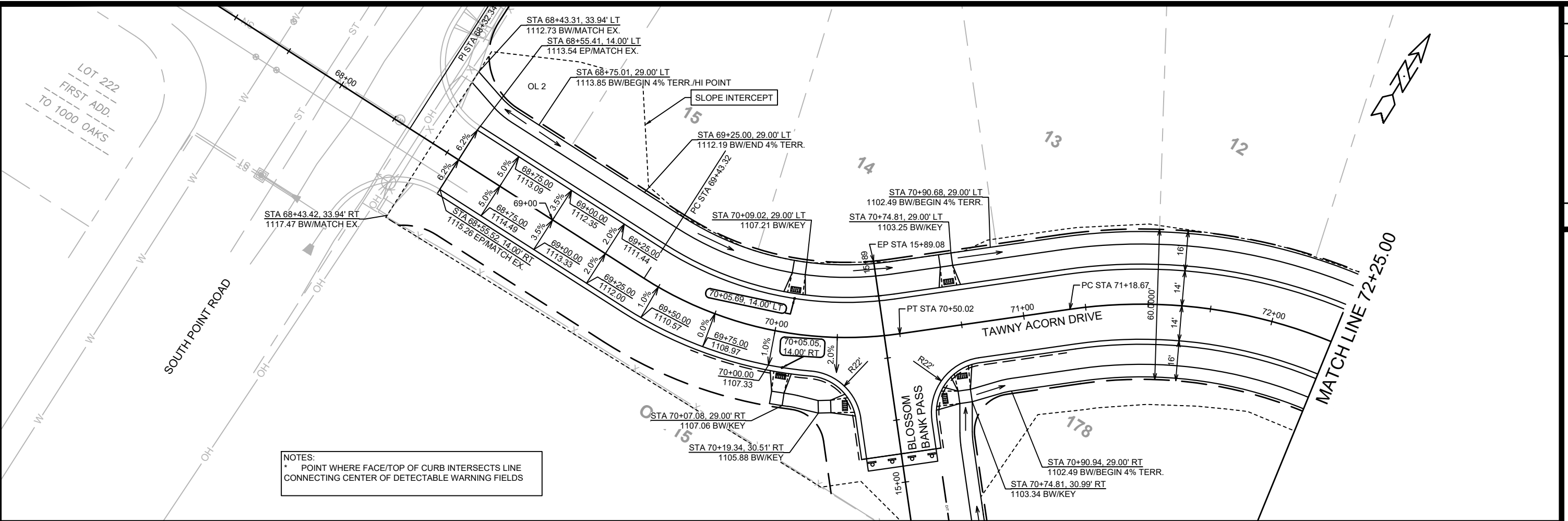
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 MADISON, WI  
 CONTRACT NO: 9070

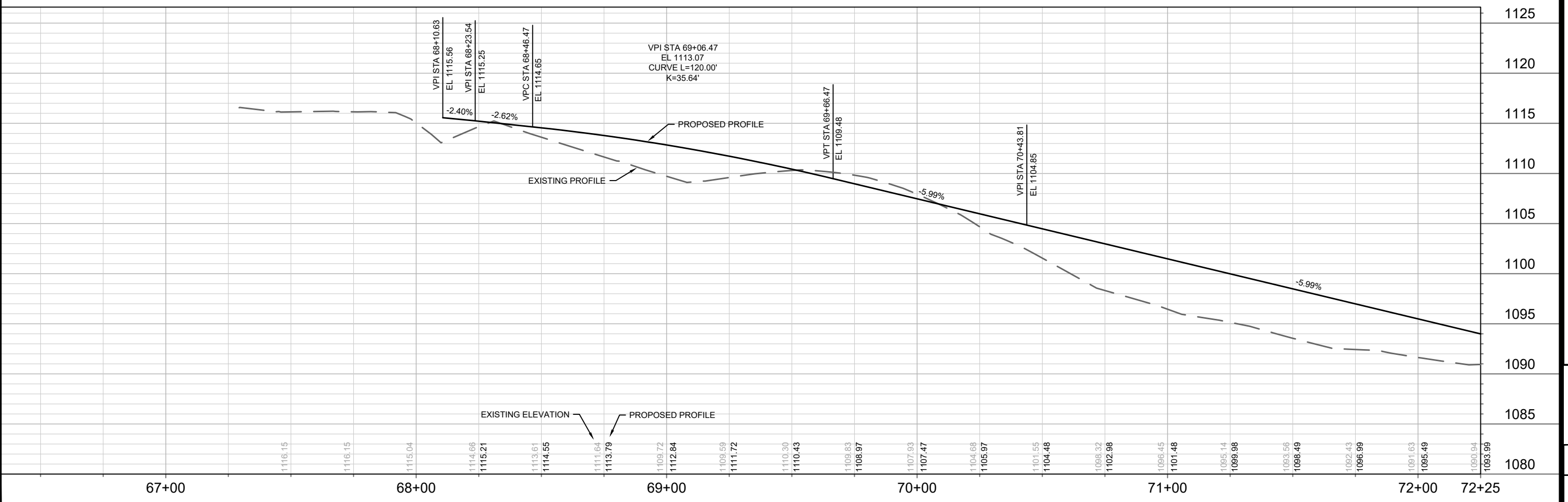
STANDARD DETAILS  
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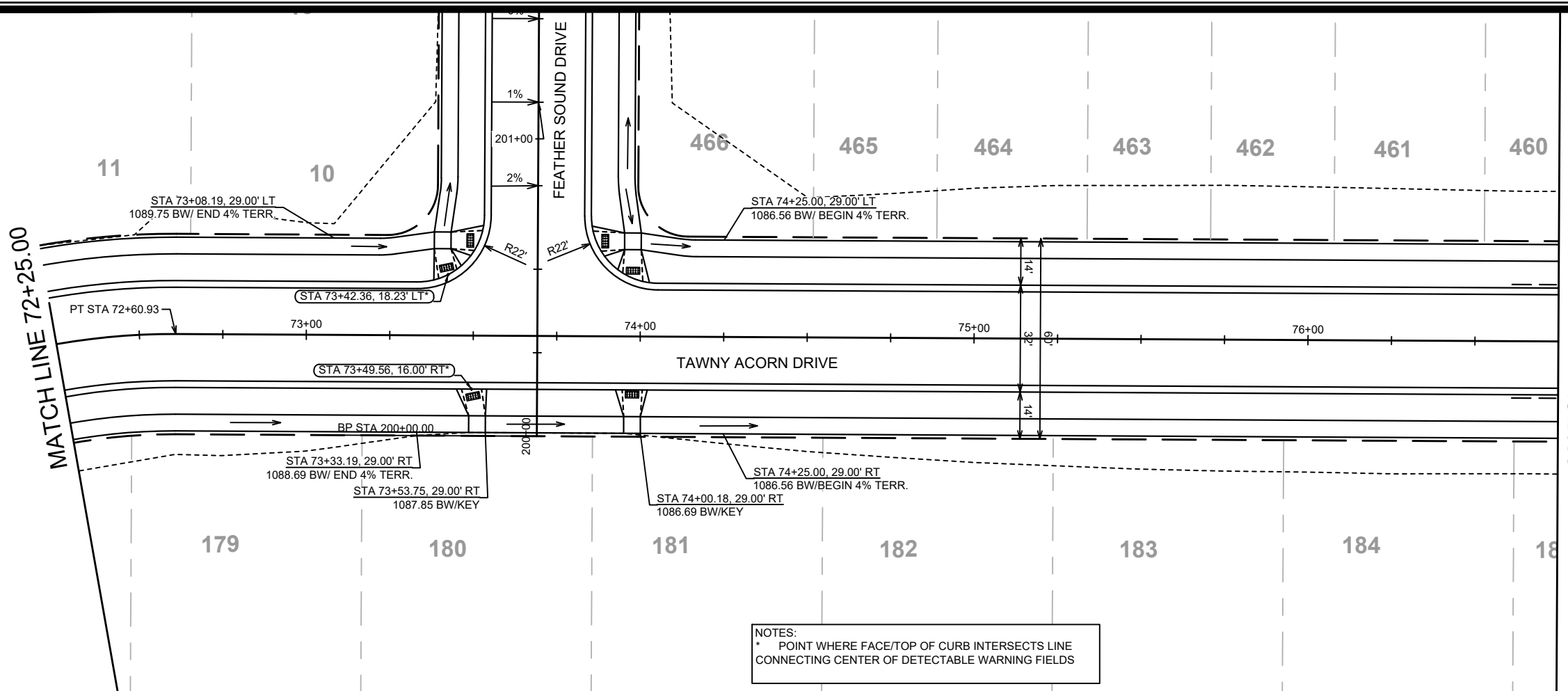


NOTES:  
 \* POINT WHERE FACE/TOP OF CURB INTERSECTS LINE CONNECTING CENTER OF DETECTABLE WARNING FIELDS

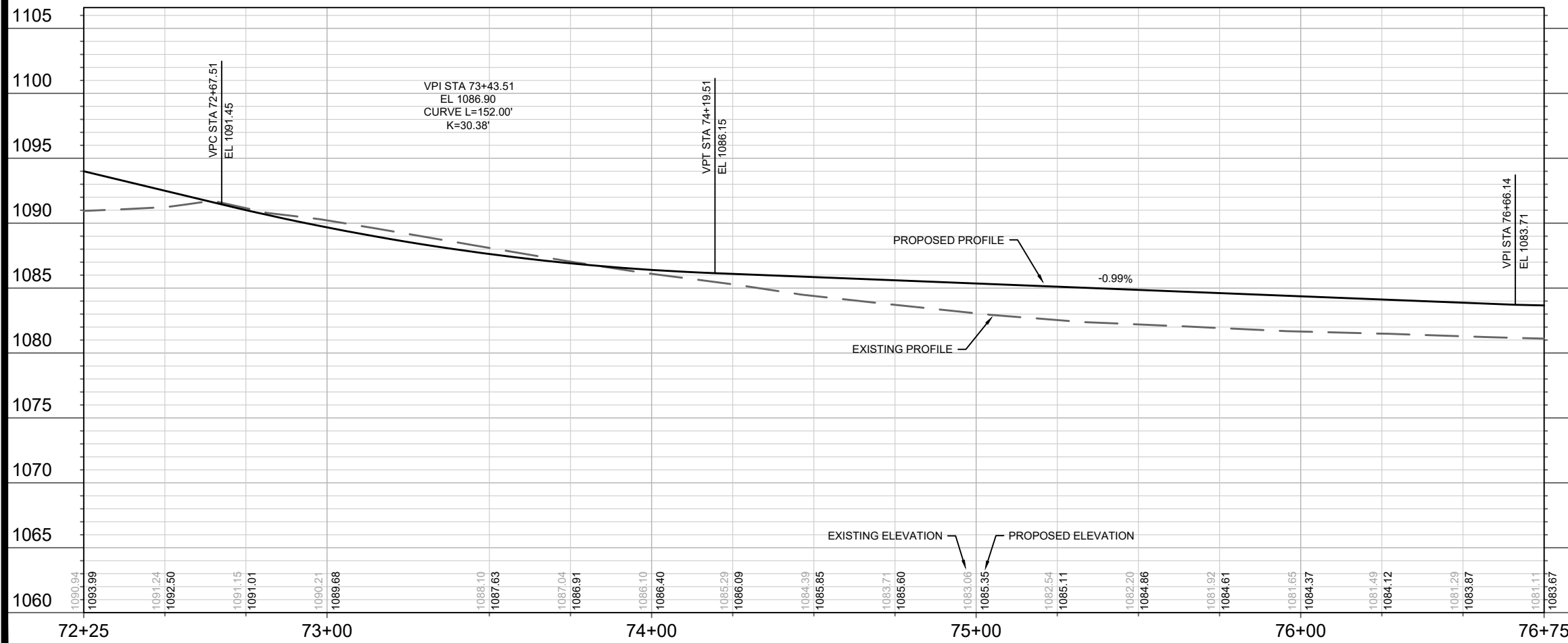


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REVISION	###
DESIGNED BY	###
DATE	11/18 AM
SCALE	####
PROJECT NO.	13767
CONTRACT NO.	9070
<b>13767</b> <b>P-1</b>	

TAWNY ACORN DRIVE PLAN & PROFILE  
 ACACIA RIDGE PHASE 7  
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NOTES:  
 \* POINT WHERE FACE/TOP OF CURB INTERSECTS LINE CONNECTING CENTER OF DETECTABLE WARNING FIELDS



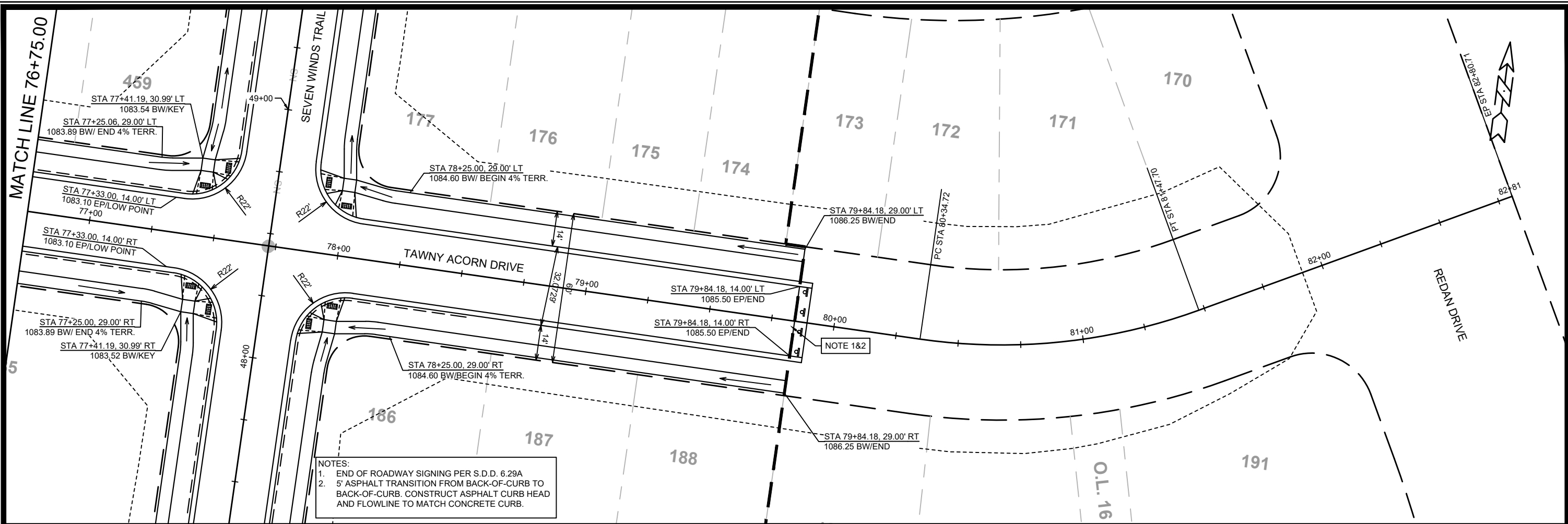
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 MADISON, WI  
 CONTRACT NO: 9070

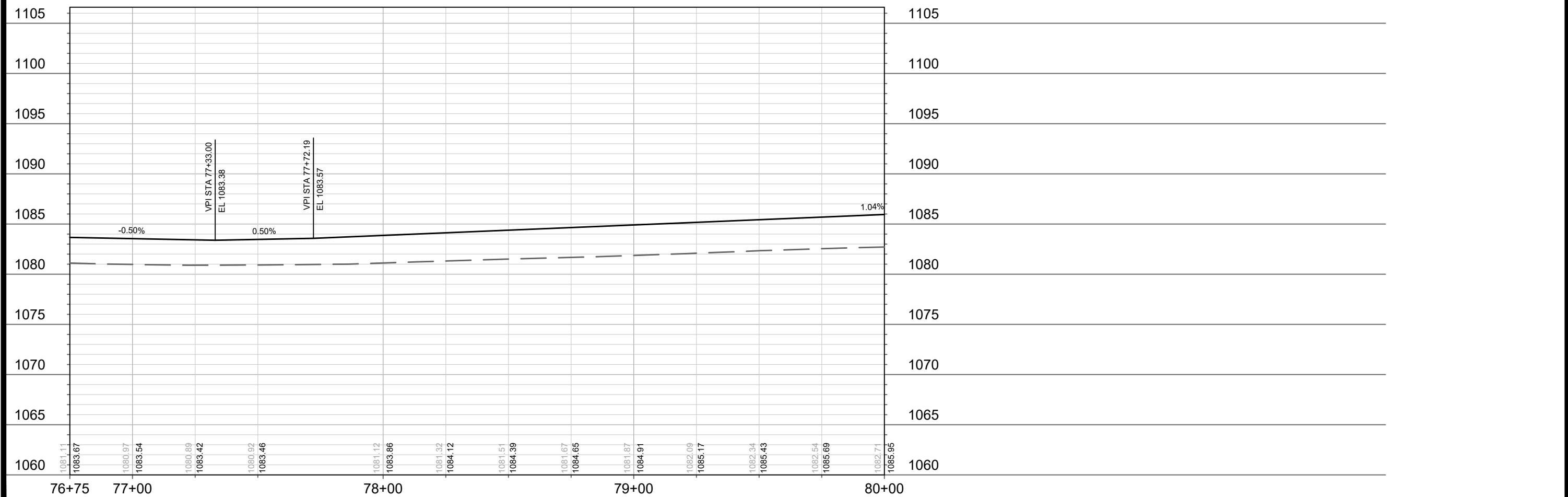
TANWY ACORN DRIVE PLAN & PROFILE  
 ACACIA RIDGE PHASE 7  
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 P-2



NOTES:  
 1. END OF ROADWAY SIGNING PER S.D.D. 6.29A  
 2. 5' ASPHALT TRANSITION FROM BACK-OF-CURB TO BACK-OF-CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.

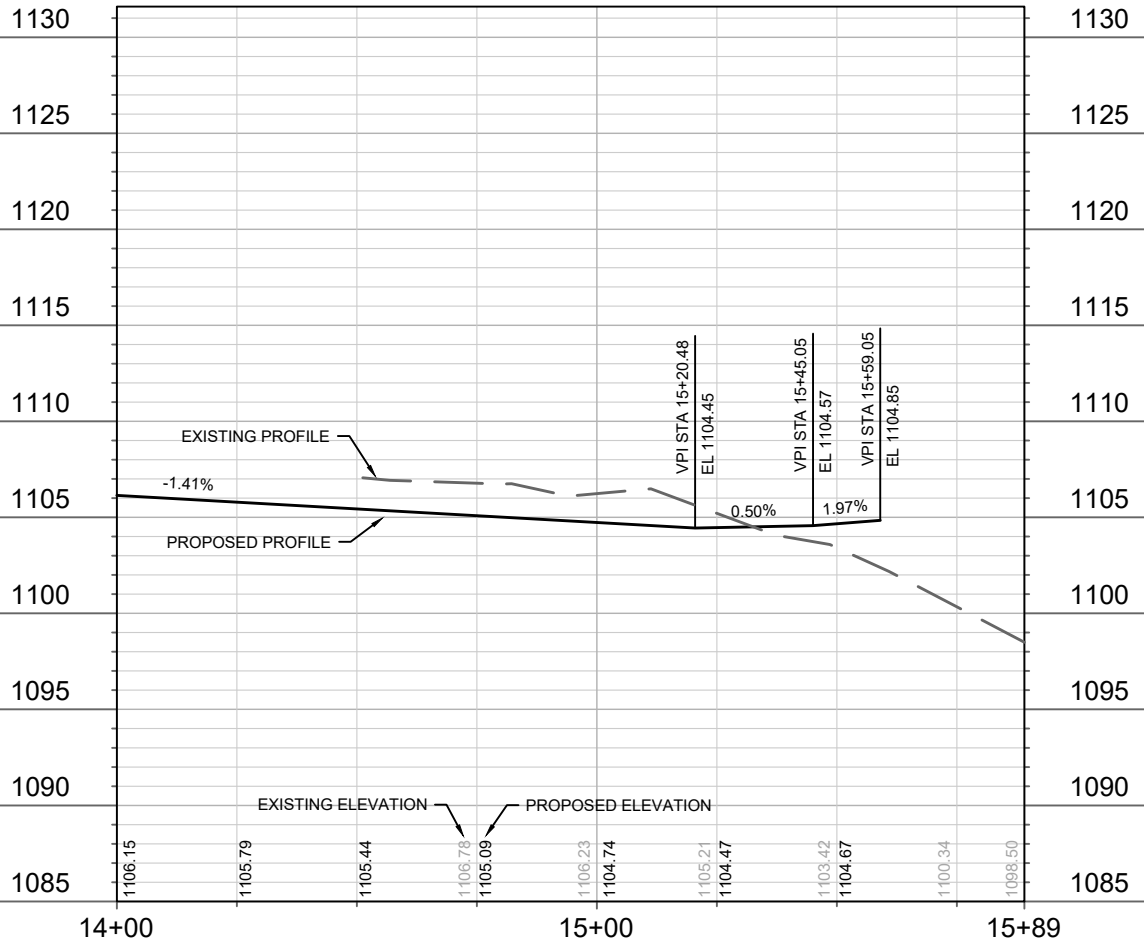
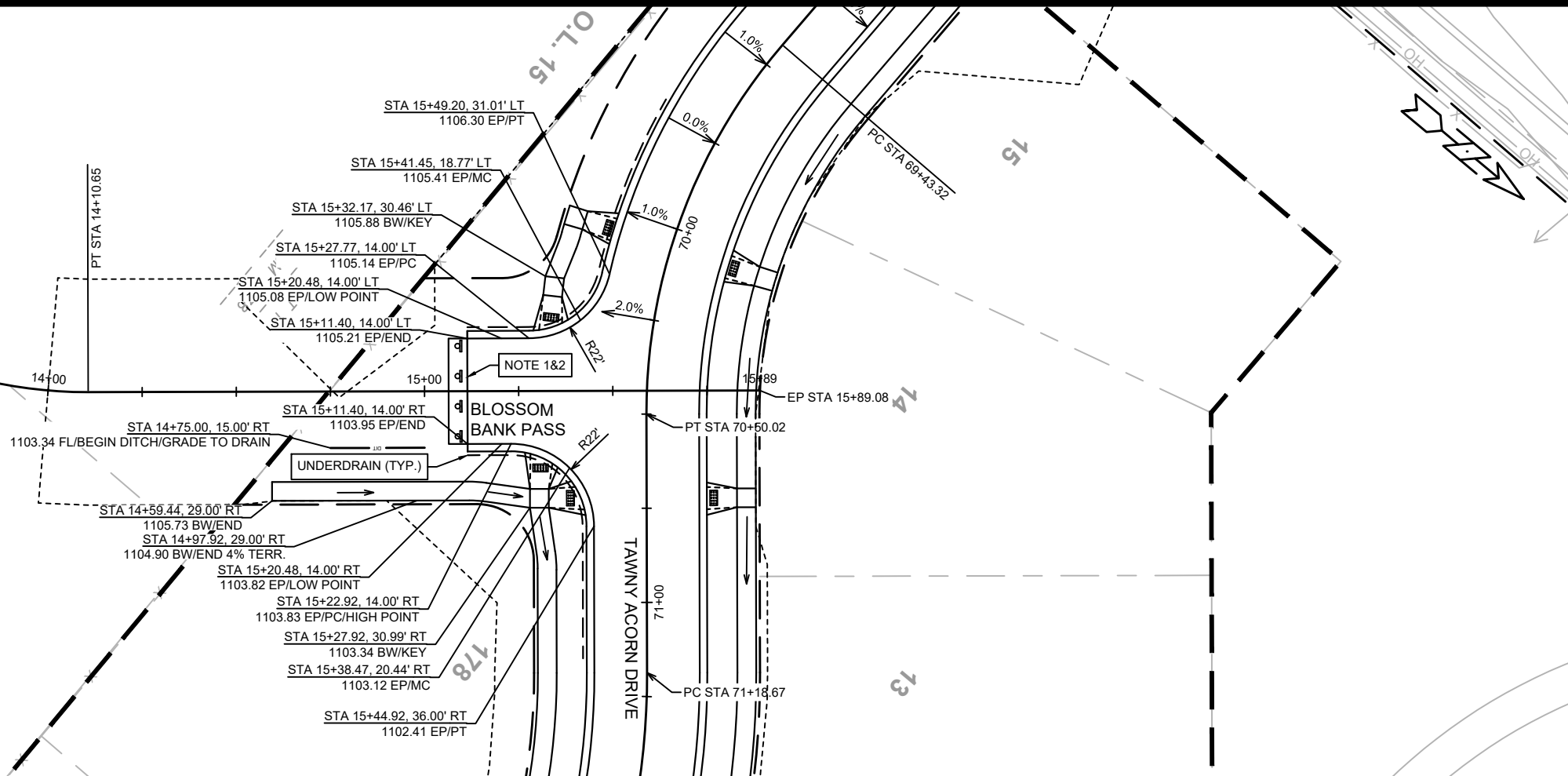


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 MADISON, WI  
 CONTRACT NO: 9070  
 TAWNY ACORN DRIVE PLAN & PROFILE  
 ACACIA RIDGE PHASE 7  
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- NOTES:  
 1. END OF ROADWAY SIGNING PER S.D.D. 6.29A  
 2. 5' ASPHALT TRANSITION FROM BACK-OF-CURB TO BACK-OF-CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.



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 MADISON, WI  
 CONTRACT NO: 9070  
 P-4

BLOSSOM BANK PASS PLAN & PROFILE  
 ACACIA RIDGE PHASE 7  
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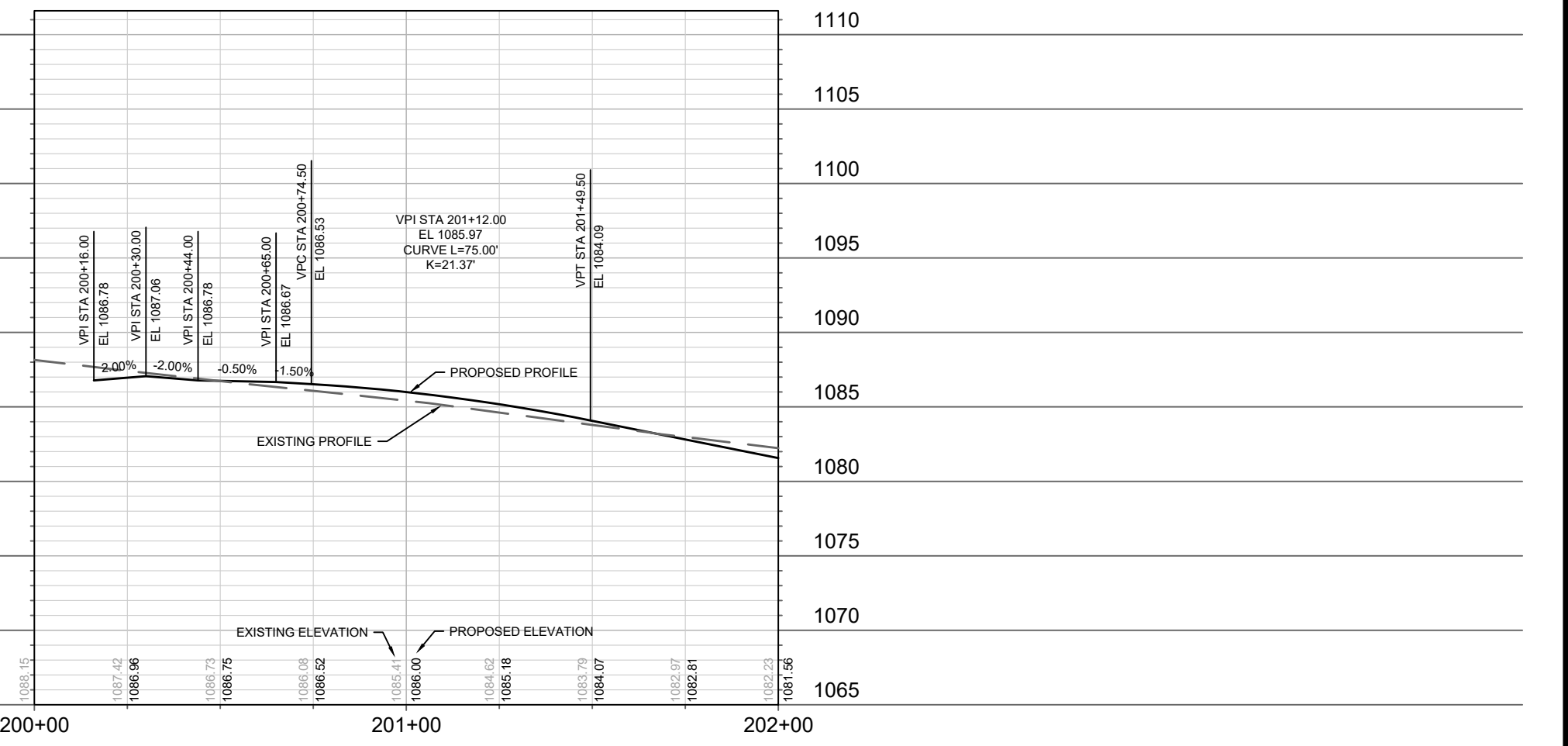
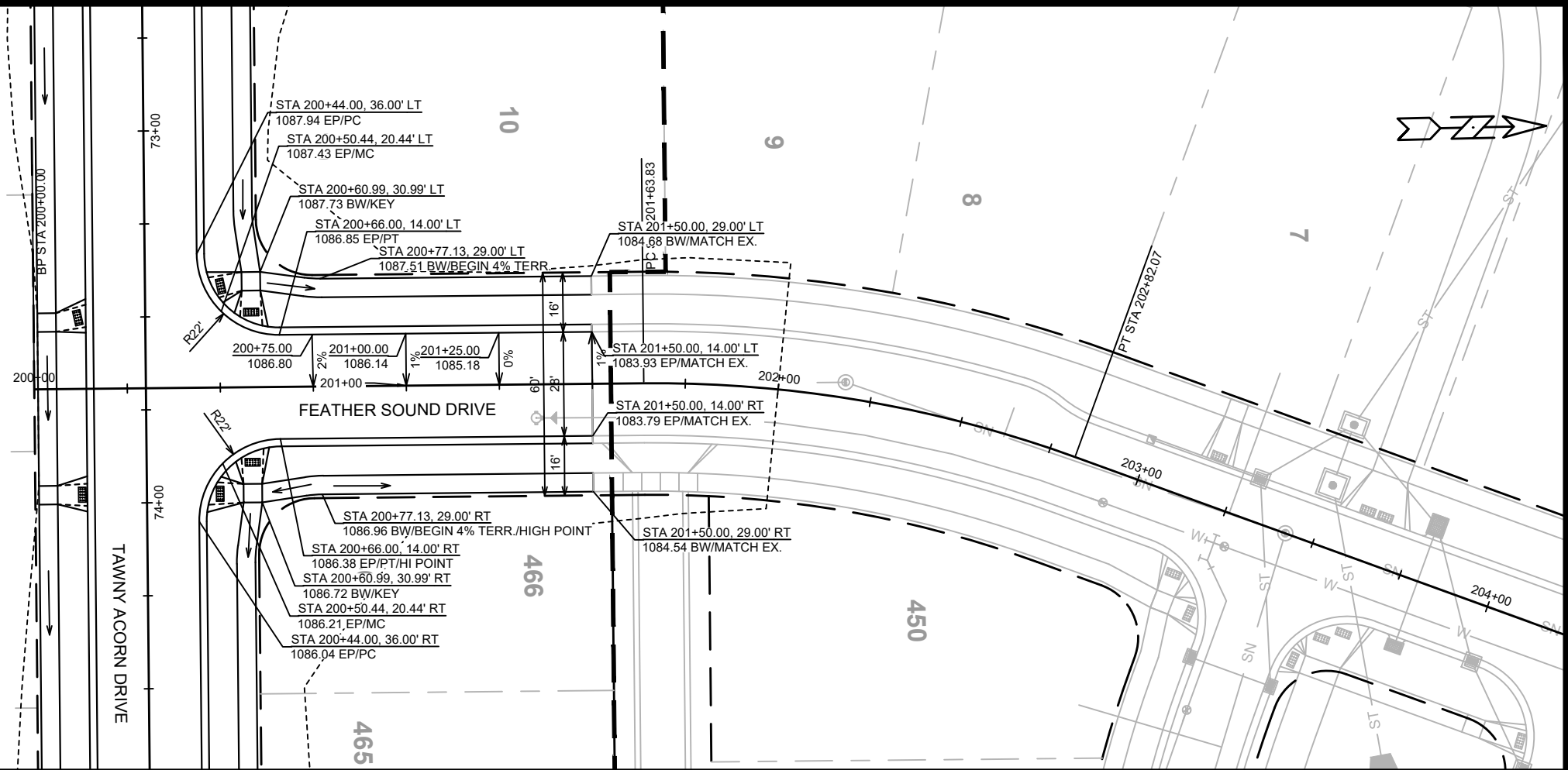
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LOT 2  
CSM 1338

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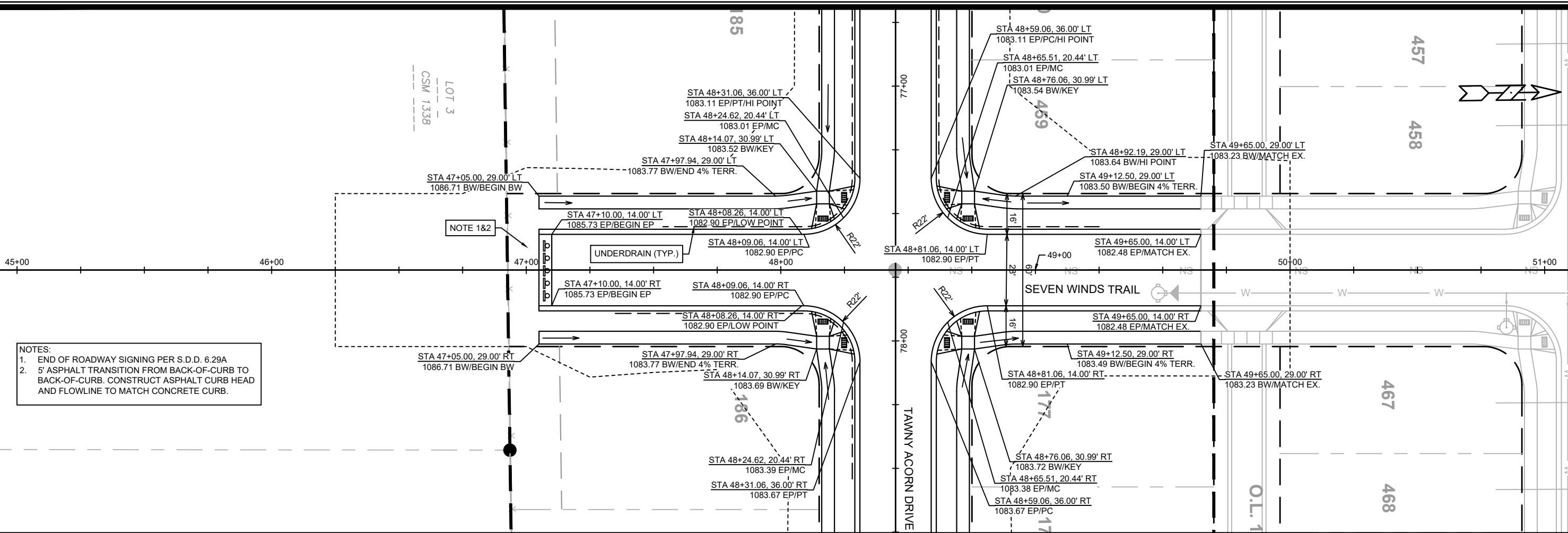
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MADISON, WI  
CONTRACT NO: 9070

FEATHERSOUND DRIVE PLAN & PROFILE  
ACACIA RIDGE PHASE 7  
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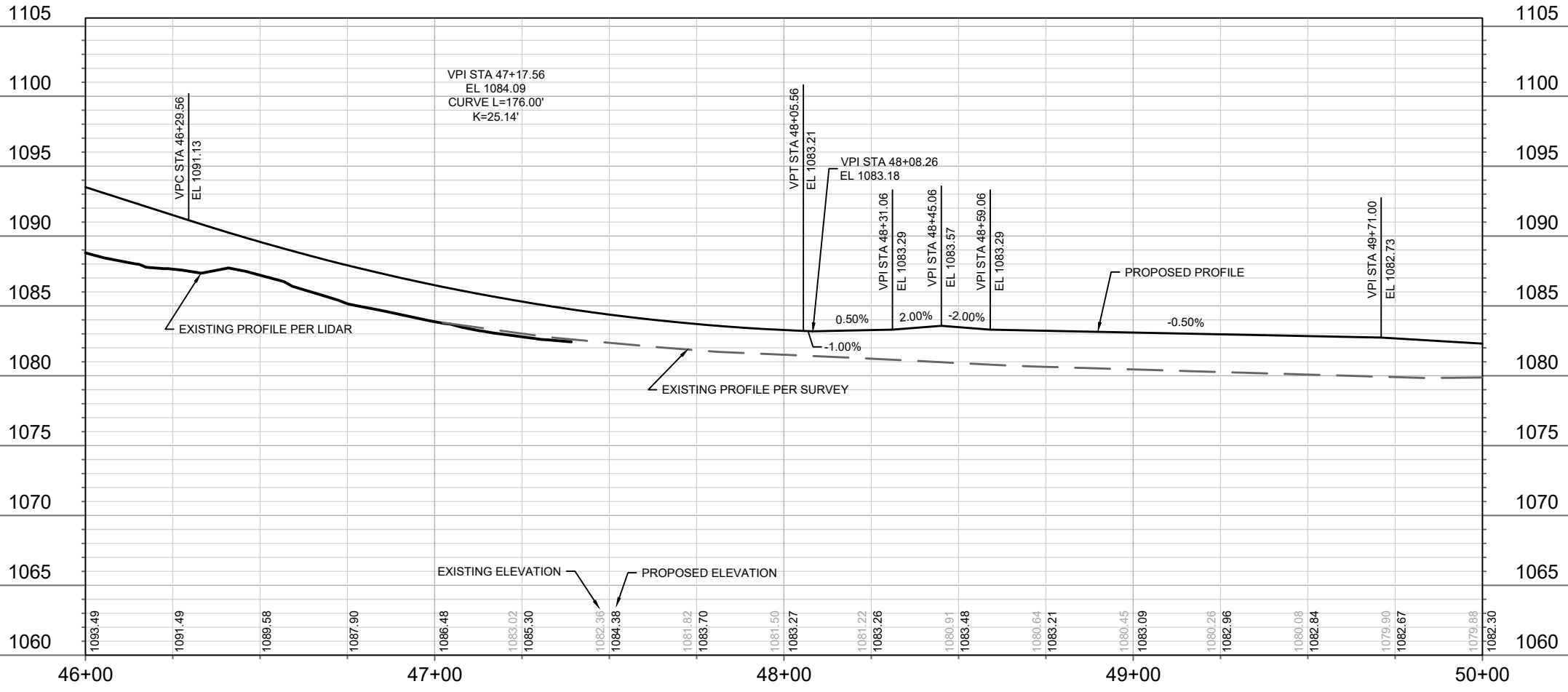
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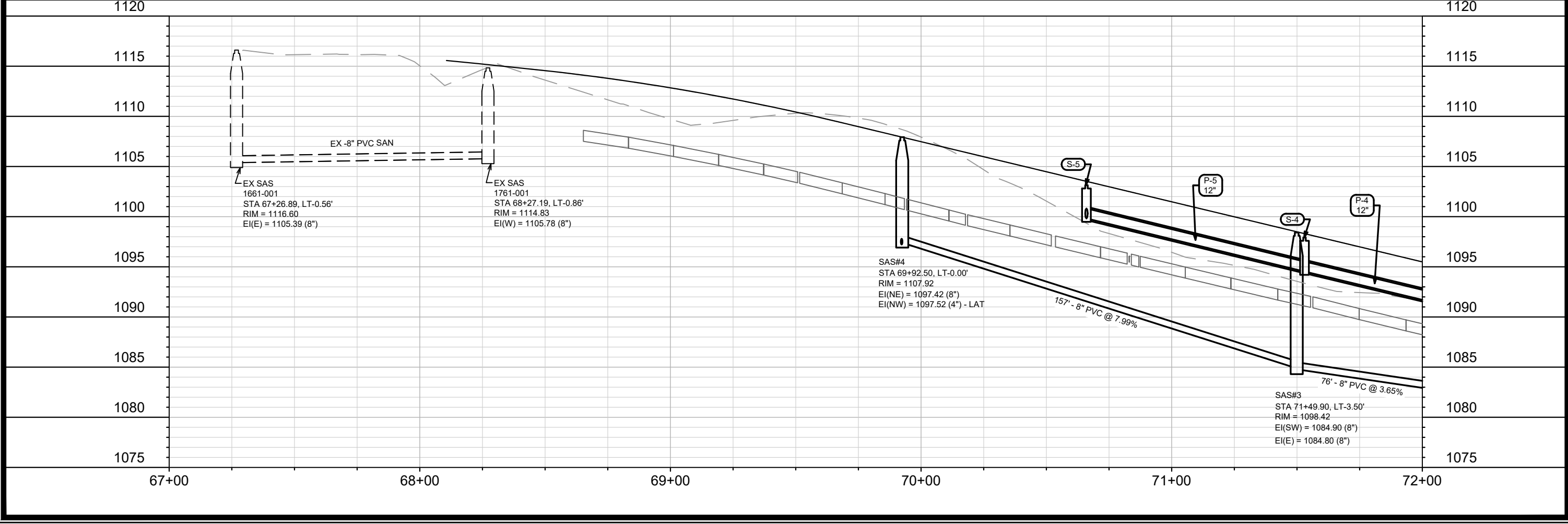
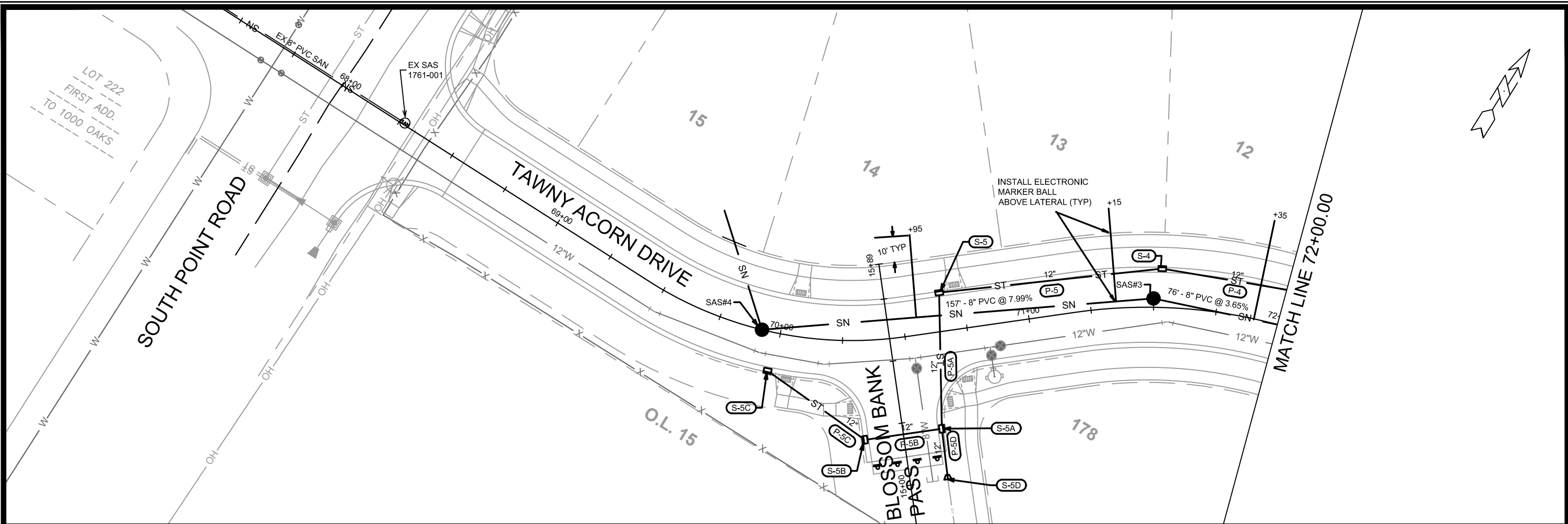


NOTES:  
 1. END OF ROADWAY SIGNING PER S.D.D. 6.29A  
 2. 5' ASPHALT TRANSITION FROM BACK-OF-CURB TO BACK-OF-CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.

NOTE 1&2



13767	MADISON, WI	CONTRACT NO: 9070	P-6
SEVEN WINDS TRAIL PLAN & PROFILE		ACACIA RIDGE PHASE 7	
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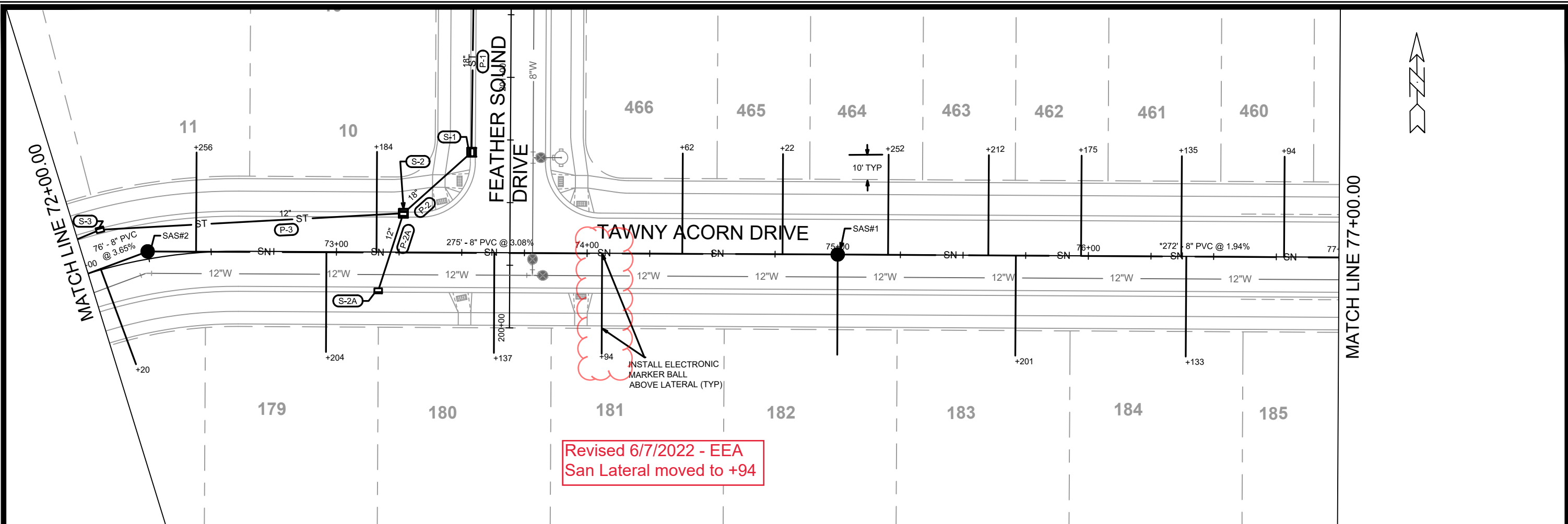


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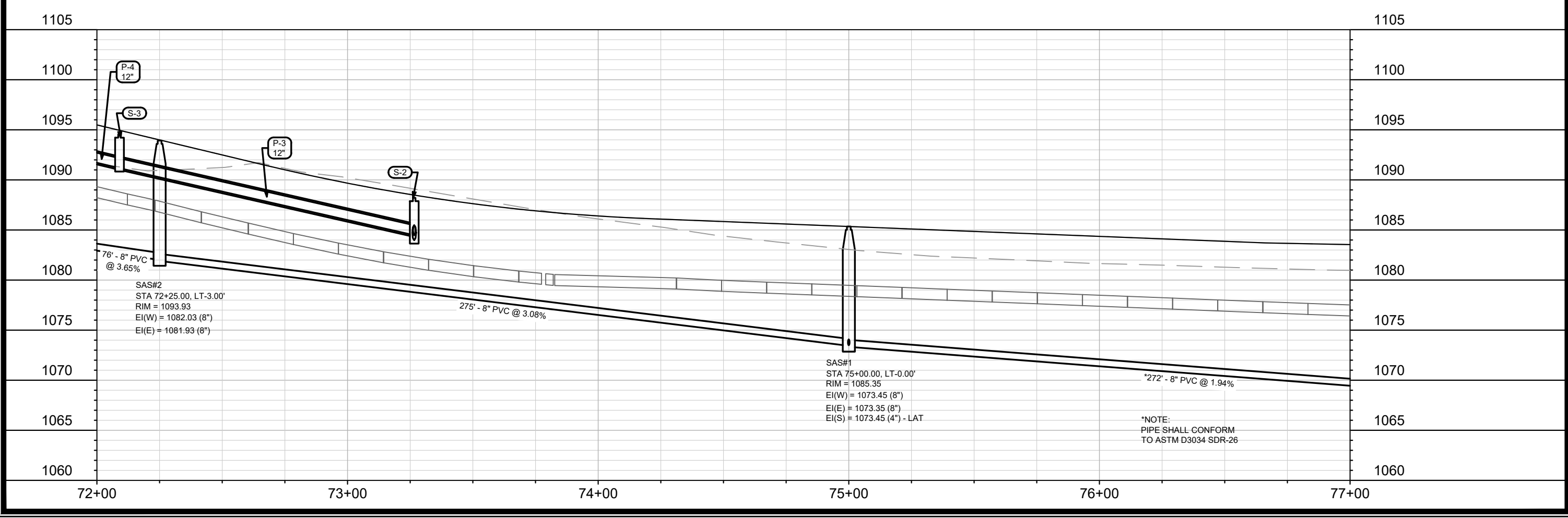
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MADISON, WI  
CONTRACT NO: 9070

TAWNY ACORN DRIVE - UTILITIES PLAN & PROFILE  
ACACIA RIDGE PHASE 7  
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U-1



Revised 6/7/2022 - EEA  
San Lateral moved to +94



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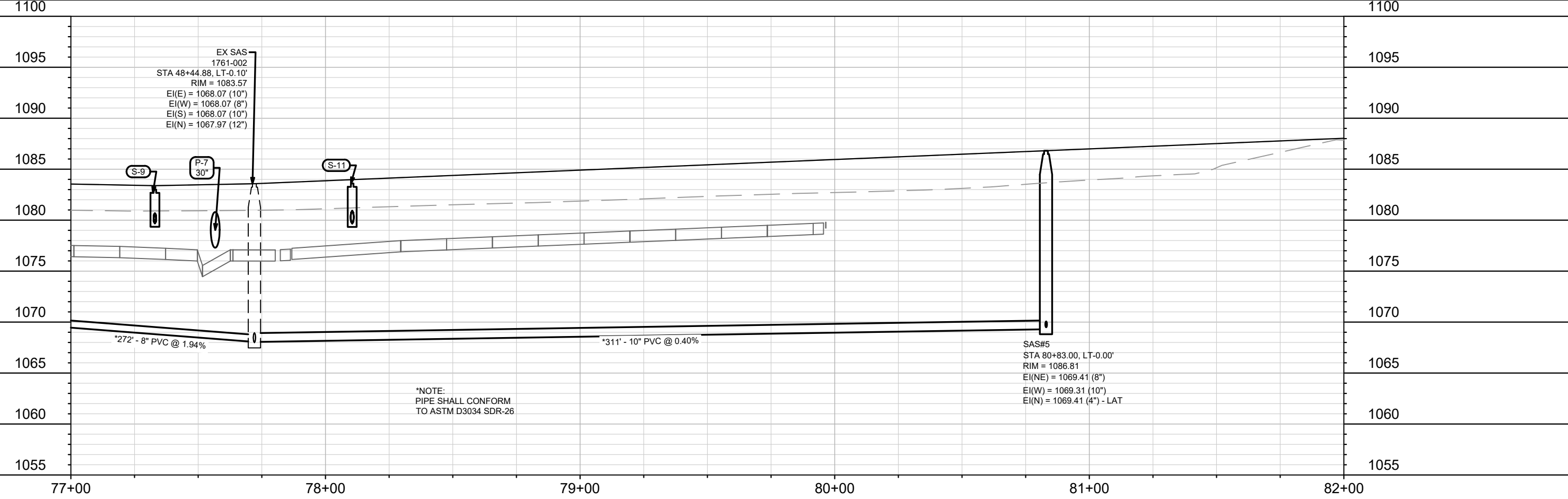
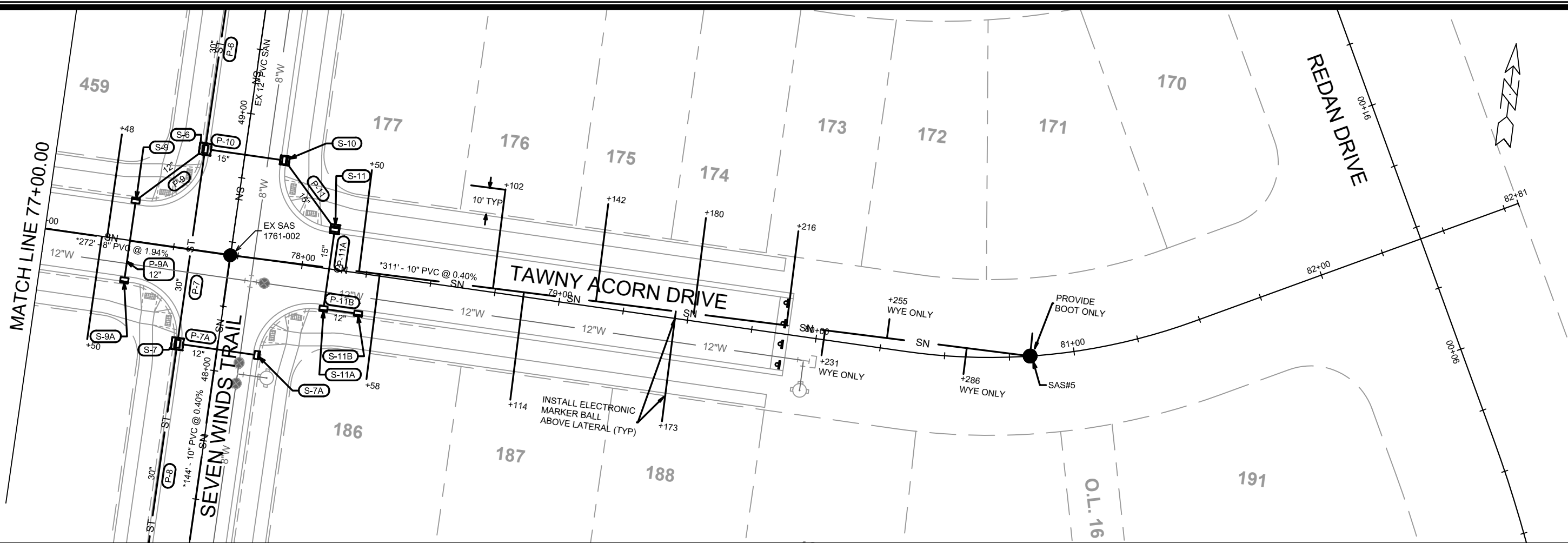
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CONTRACT NO: 9070

TAWNY ACORN DRIVE - UTILITIES PLAN & PROFILE  
ACACIA RIDGE PHASE 7  
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U-2

\*NOTE:  
PIPE SHALL CONFORM  
TO ASTM D3034 SDR-26



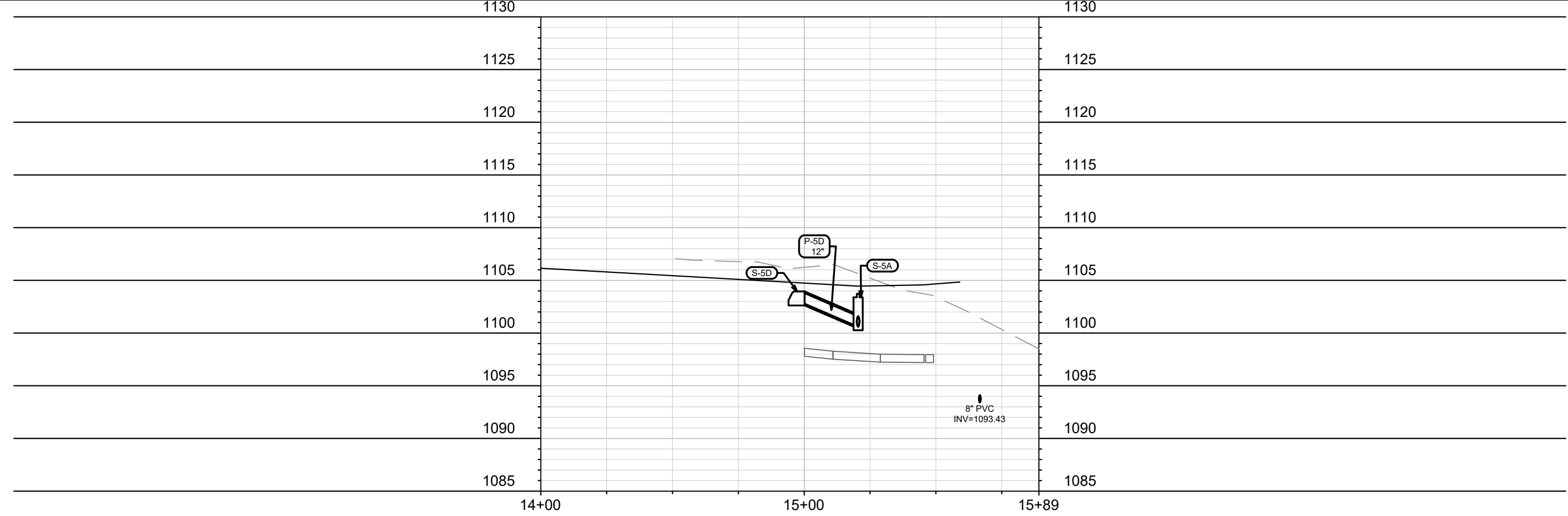
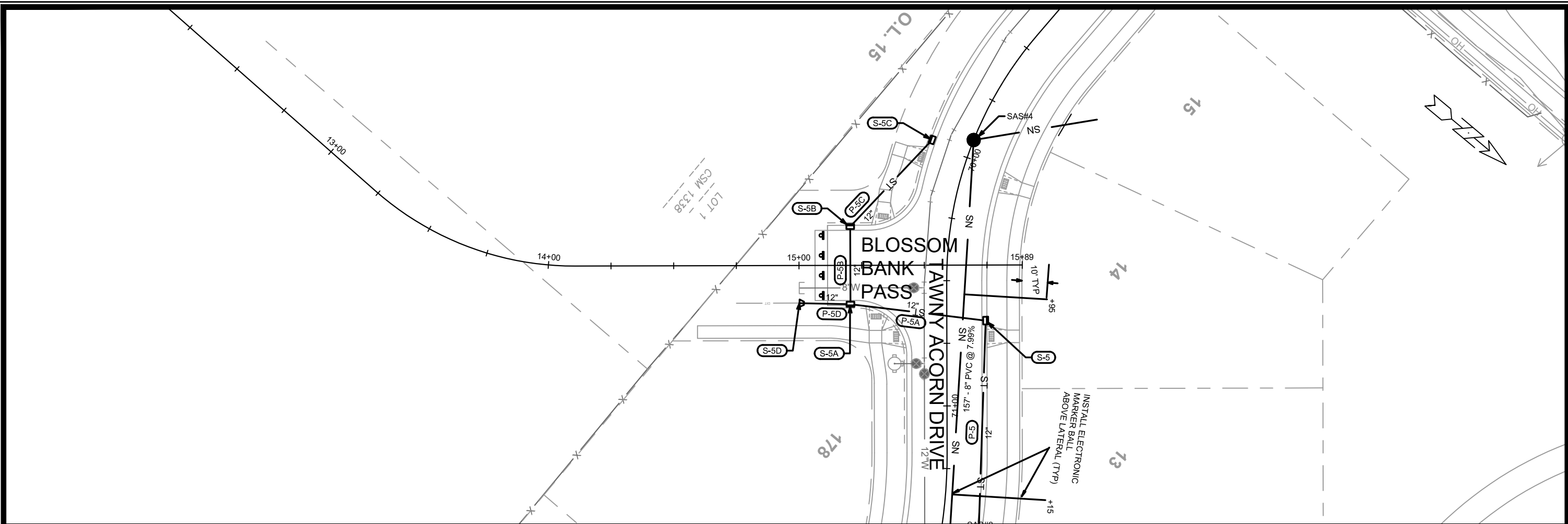
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 MADISON, WI  
 CONTRACT NO: 9070

TAWNY ACORN DRIVE - UTILITIES PLAN & PROFILE  
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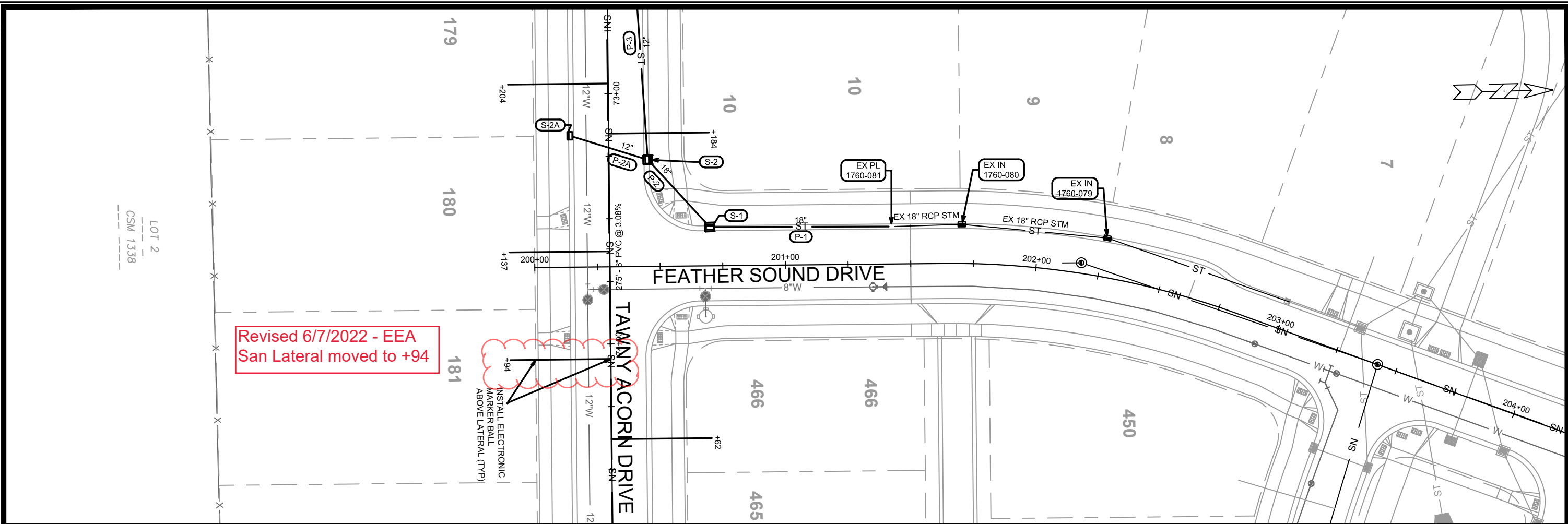
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 CONTRACT NO: 9070

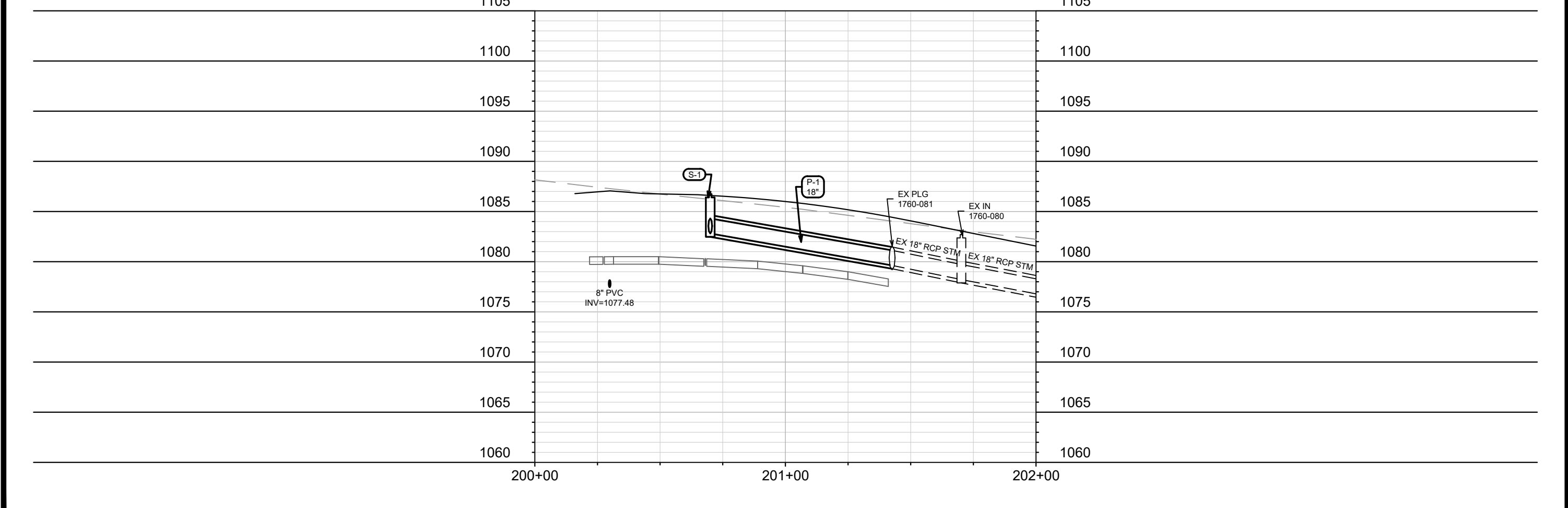
BLOSSOM BANK PASS - UTILITIES PLAN & PROFILE  
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Revised 6/7/2022 - EEA  
San Lateral moved to +94



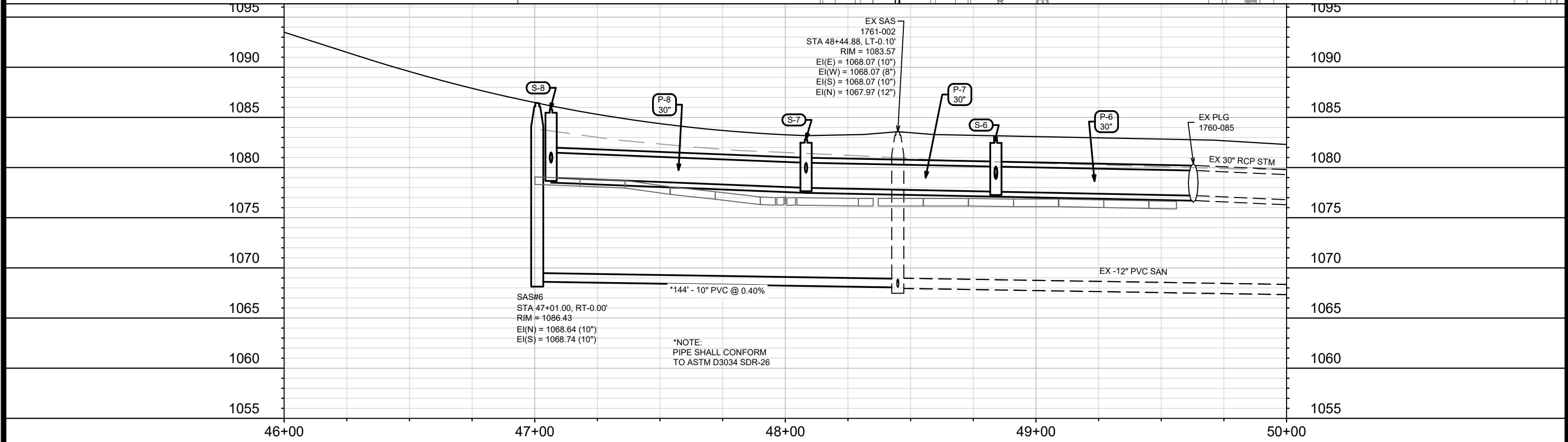
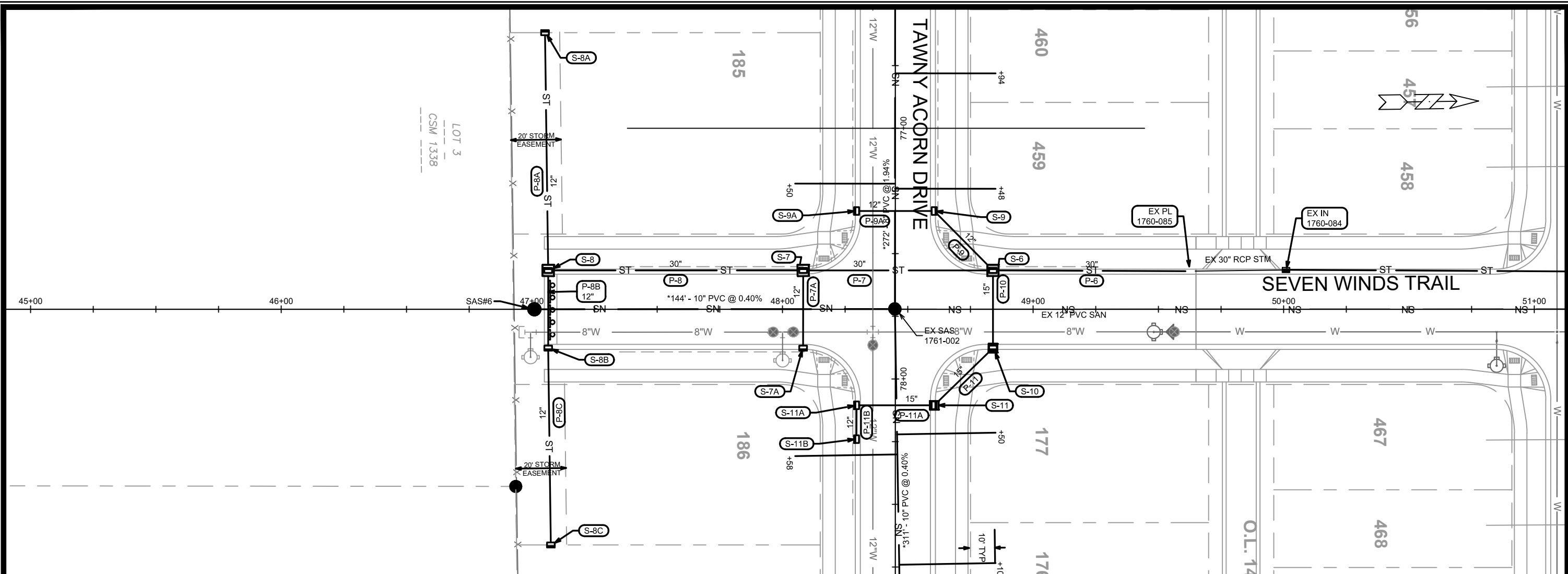
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MADISON, WI  
CONTRACT NO: 9070

FEATHERSOUND DRIVE - UTILITIES PLAN & PROFILE  
ACACIA RIDGE PHASE 7  
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U-5



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<b>SEVEN WINDS TRAIL - UTILITIES PLAN &amp; PROFILE</b>		<b>13767</b>	
<b>ACACIA RIDGE PHASE 7</b>		<b>MADISON, WI</b>	
CONTRACT NO: 9070		Scale: 1" = 40'	
		<b>13767</b>	
<b>U-6</b>		<b>U-6</b>	

# SANITARY SEWER SCHEDULE

ACACIA RIDGE PHASE 7

SHEET NO.

PROJECT NO. 13767

U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
<b>TAWNY ACORN DRIVE</b>						
SAS#1	75+00.00	CL	1085.35	1073.35	12.00	-
SAS#2	72+25.00	LT-3.00	1093.93	1081.93	12.00	-
SAS#3	71+49.90	LT-3.50	1098.42	1084.80	13.62	-
SAS#4	69+92.50	CL	1107.92	1097.42	10.50	-
SAS#5	80+83.00	CL	1086.81	1069.31	17.50	-

## SEVEN WINDS TRAIL

SAS#6	47+01.00	CL	1082.20	1068.64	13.56	-
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## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
EX 1761-002	SAS#1	1068.07	1073.35	272	1.94%	8"	SDR-26	-
SAS#1	SAS#2	1073.45	1081.93	275	3.08%	8"	SDR-35	-
SAS#2	SAS#3	1082.03	1084.80	76	3.65%	8"	SDR-35	-
SAS#3	SAS#4	1084.90	1097.42	157	7.99%	8"	SDR-35	-
EX 1761-002	SAS#5	1068.07	1069.31	311	0.40%	10"	SDR-26	-
EX 1761-002	SAS#6	1068.07	1068.64	144	0.40%	10"	SDR-26	-

## NOTES:

- ALL STRUCTURES SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.



# STORM SEWER SCHEDULE

ACACIA RIDGE PHASE 7	SHEET NO.
PROJECT NO. 13767	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>FEATHER SOUND DRIVE</b>							
S-1	200+70.00	LT-15.50	3X3 SAS	1087.21	1082.81	4.40	W/ R-3067-7004-V
<b>TAWNY ACORN DRIVE</b>							
S-2	73+26.60	LT-15.50	3X3 SAS	1088.58	1083.98	4.60	W/ R-3067-7004-V
S-2A	73+16.72	RT-15.50	H INLET	1089.00	1085.40	3.60	W/ R-3067-7004-V
S-3	72+09.00	LT-15.50	H INLET	1095.03	1091.17	3.86	W/ R-3067-7004-V
S-4	71+53.00	LT-15.50	H INLET	1098.40	1094.53	3.87	W/ R-3067-7004-V
S-5	70+66.00	LT-15.50	H INLET	1103.62	1099.82	3.80	W/ R-3067-7004-V
S-5C	69+98.00	RT-15.50	H INLET	1107.84	1104.24	3.60	W/ R-3067-7004-V
S-9	77+33.00	LT-15.50	H INLET	1083.48	1079.68	3.80	LP; W/ R-3067-7004-VB; (1)
S-9A	77+33.00	RT-15.50	H INLET	1083.48	1080.08	3.40	LP; W/ R-3067-7004-VB; (1)
S-11	78+10.50	LT-15.50	3X3 SAS	1084.07	1079.67	4.40	W/ R-3067-7004-V
S-11A	78+10.50	RT-15.50	H INLET	1084.07	1079.87	4.20	W/ R-3067-7004-V
S-11B	78+24.00	RT-15.50	H INLET	1084.21	1080.61	3.60	W/ R-3067-7004-V
<b>SEVEN WINDS TRAIL</b>							
S-6	48+84.00	LT-15.50	4X4 SAS	1083.27	1077.60	5.67	W/ R-3067-7004-V
S-7	48+08.26	LT-15.50	4X4 SAS	1083.29	1077.98	5.31	FP; LP; W/ R-3067-7004-VB; (1)
S-7A	48+08.26	RT-15.50	H INLET	1083.29	1079.69	3.60	LP; W/ R-3067-7004-VB; (1)
S-8	47+06.53	LT-15.50	4X4 SAS	1086.27	1079.00	7.27	W/ R-3067-7004-V
S-8A	47+05.26	LT-110.31	PVT INLET	1084.30	1080.96	3.34	W/ R-1878-B7G
S-8B	47+06.53	RT-15.50	H INLET	1086.27	1080.64	5.63	W/ R-3067-7004-V
S-8C	47+07.59	RT-93.99	PVT INLET	1083.10	1081.03	2.07	FP; W/ R-1878-B7G
S-10	48+84.00	RT-15.50	3X3 SAS	1083.27	1079.04	4.23	W/ R-3067-7004-V
<b>BLOSSOM BANK</b>							
S-5A	15+20.48	RT-15.50	H INLET	1104.20	1100.60	3.60	LP; W/ R-3067-7004-VB; (1)
S-5B	15+20.48	LT-15.50	H INLET	1105.46	1101.86	3.60	LP; W/ R-3067-7004-VB; (1)
S-5D	15+00.00	RT-15.00	12" APRON END	-	1102.78	-	W/ GATE

## PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>FEATHER SOUND DRIVE</b>										
P-1	EX PL 1760-081	S-1	1079.63	1082.81	73	71	4.48%	18"	TYPE II	-
<b>TAWNY ACORN DRIVE</b>										
P-2	S-1	S-2	1082.91	1083.98	37	32	3.34%	18"	TYPE II	-
P-2A	S-2	S-2A	1084.48	1085.40	33	30	3.07%	12"	TYPE I	-
P-3	S-2	S-3	1084.48	1091.17	121	118	5.67%	12"	TYPE I	-
P-4	S-3	S-4	1091.17	1094.53	60	57	5.89%	12"	TYPE I	-
P-5	S-4	S-5	1094.53	1099.82	90	87	6.08%	12"	TYPE I	-
P-5C	S-5B	S-5C	1101.86	1104.24	48	45	5.29%	12"	TYPE II	-
P-9	S-6	S-9	1079.10	1079.68	33	29	2.00%	12"	TYPE II	-
P-9A	S-9	S-9A	1079.68	1080.08	31	29	1.38%	12"	TYPE I	-
P-11	S-10	S-11	1079.04	1079.67	33	28	2.25%	15"	TYPE II	-
P-11A	S-11	S-11A	1079.67	1079.87	31	28	0.71%	15"	TYPE I	-
P-11B	S-11A	S-11B	1080.12	1080.61	14	11	4.45%	12"	TYPE II	-
<b>SEVEN WINDS TRAIL</b>										
P-6	EX PL 1760-085	S-6	1077.20	1077.60	79	77	0.52%	30"	TYPE I	-
P-7	S-6	S-7	1077.60	1077.98	76	72	0.53%	30"	TYPE I	-
P-7A	S-7	S-7A	1079.48	1079.69	31	28	0.75%	12"	TYPE I	-
P-8	S-7	S-8	1077.98	1079.00	102	98	1.04%	30"	TYPE I	-
P-8A	S-8	S-8A	1080.50	1080.96	95	92	0.50%	12"	TYPE II	-
P-8B	S-8	S-8B	1080.50	1080.64	31	28	0.50%	12"	TYPE I	-
P-8C	S-8B	S-8C	1080.64	1081.03	79	77	0.50%	12"	TYPE II	-
P-10	S-6	S-10	1078.85	1079.04	31	28	0.68%	15"	TYPE I	-
<b>BLOSSOM BANK</b>										
P-5A	S-5	S-5A	1099.82	1100.60	54	52	1.50%	12"	TYPE I	-
P-5B	S-5A	S-5B	1100.60	1101.86	31	29	4.34%	12"	TYPE I	-
P-5D	S-5A	S-5D	1100.6	1102.78	20	19	11.47%	12"	TYPE II	-

## SPECIFIC NOTES:

(1) INSTALL LOW POINT PVC DRAIN; SEE S.D.D. 5.7.7A

## STANDARD NOTES:

-PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD Poured STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN

- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.

- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.

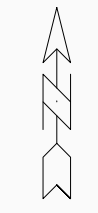
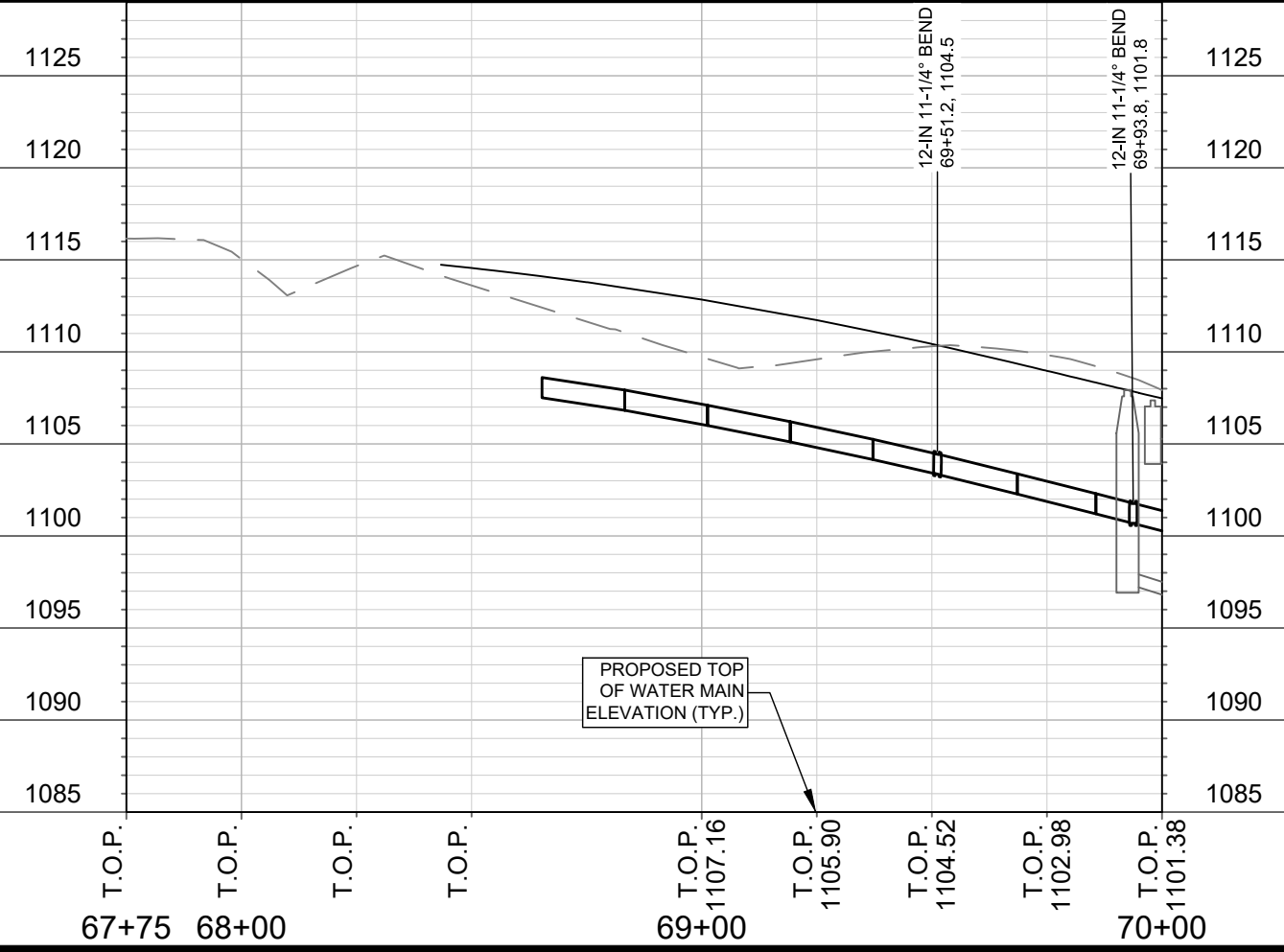
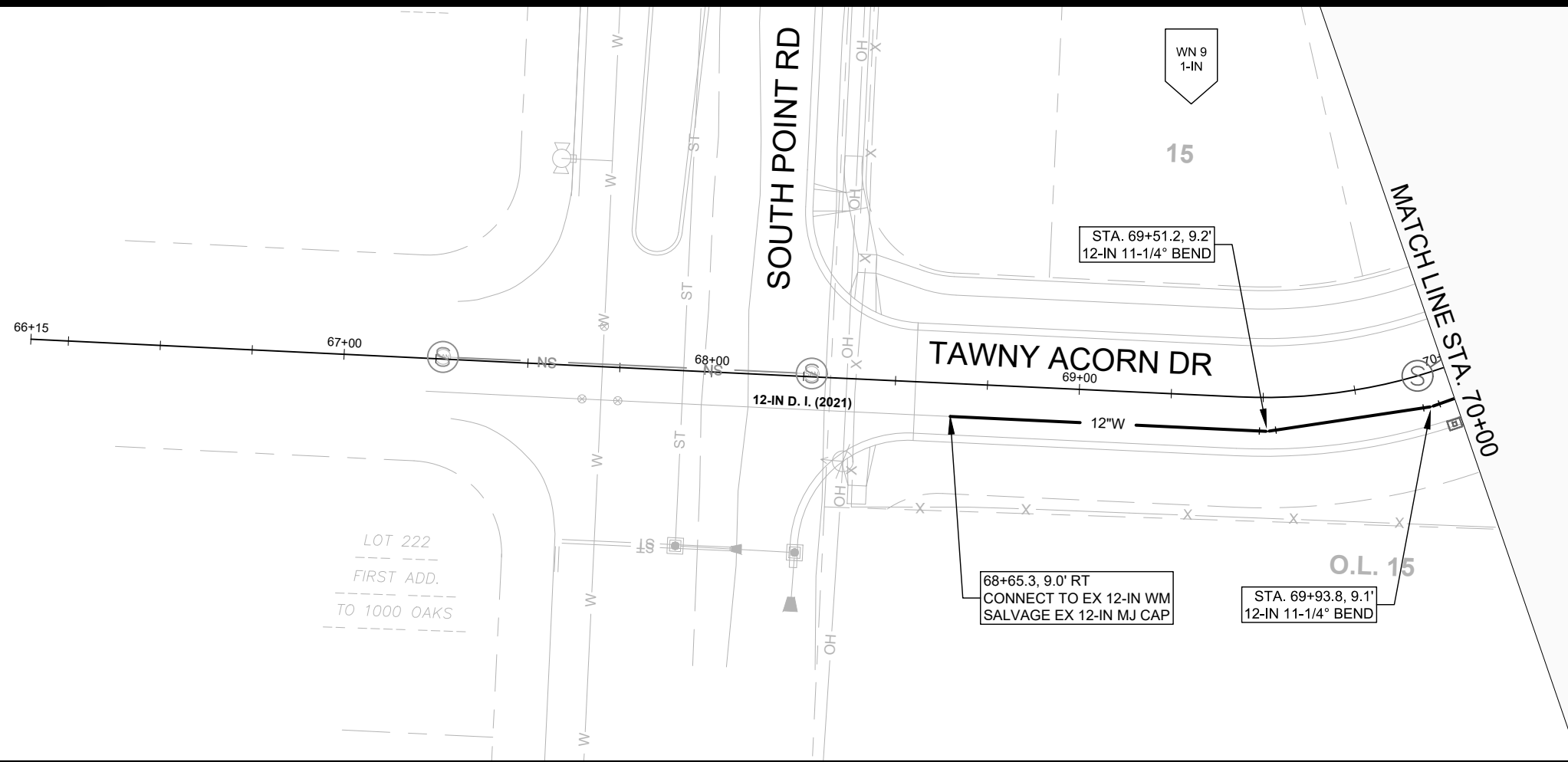
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

-ALL FIELD Poured SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.

- ALL STRUCTURES CALLED OUT AS FIELD Poured SHALL BE FIELD Poured. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD Poured) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR STORM SEWER PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

-FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM



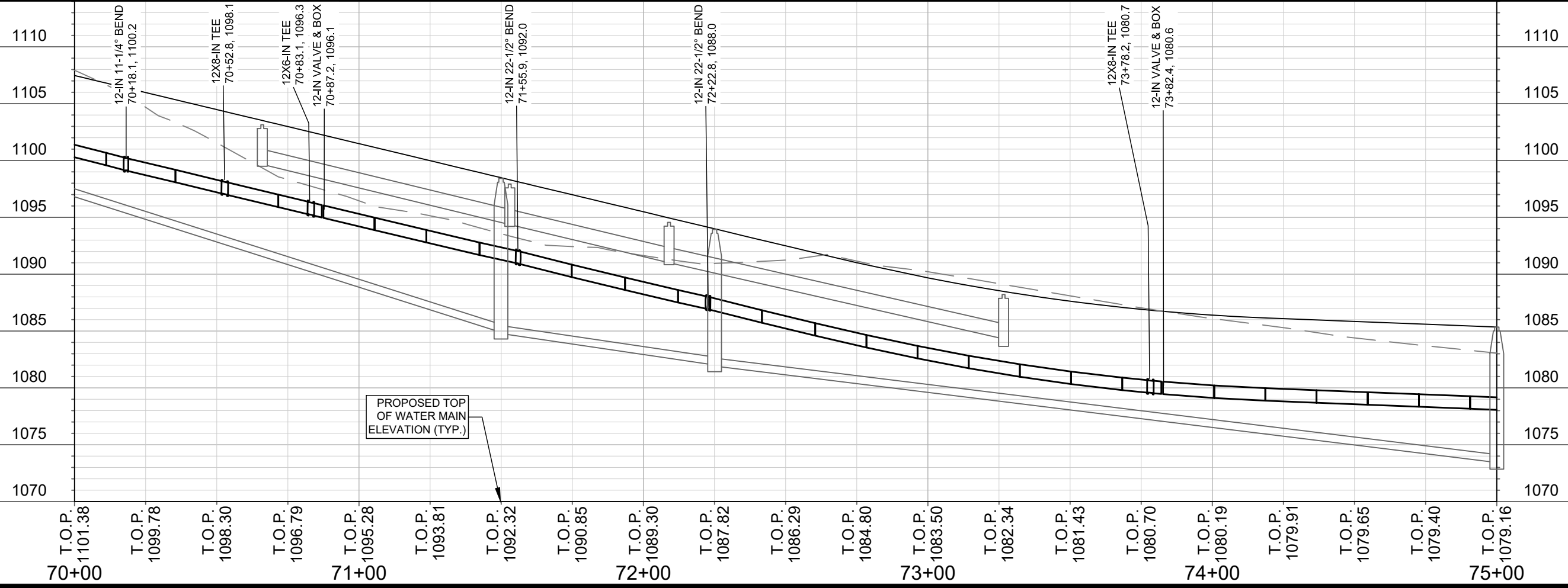
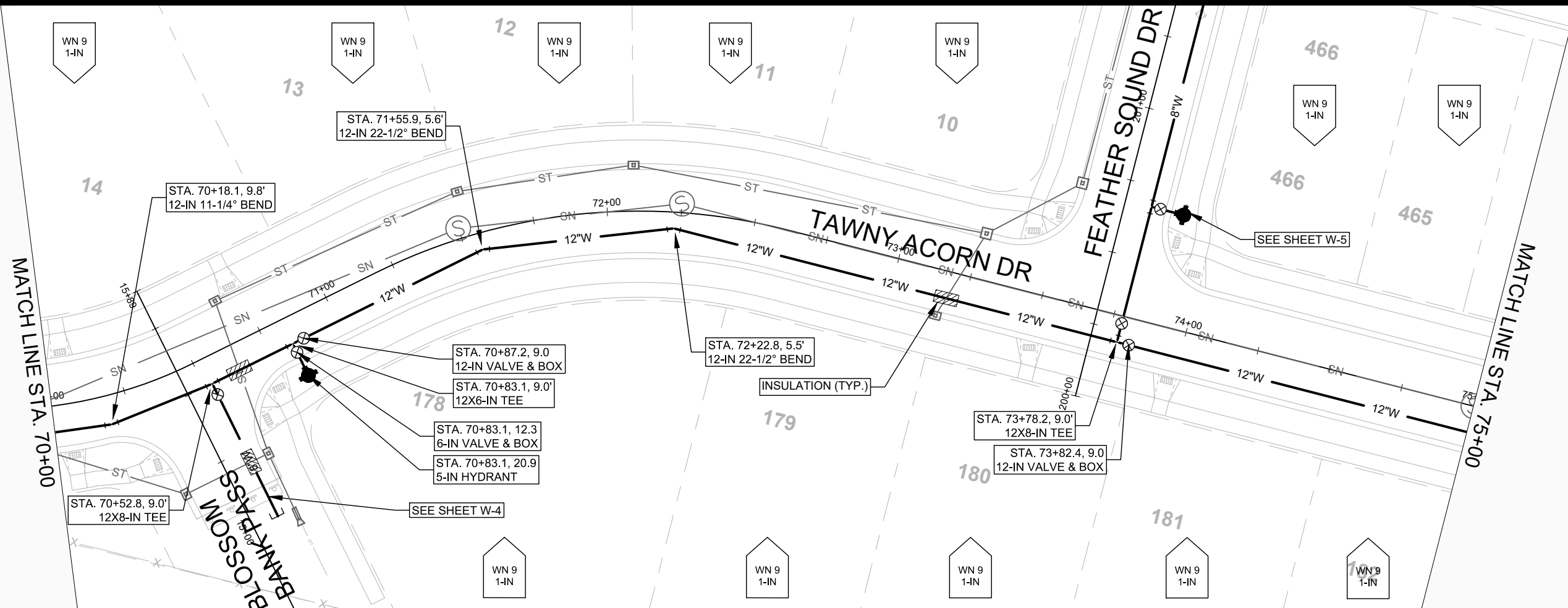
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 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 4/26/22

ACACIA RIDGE PHASE 7  
 WATER PLAN AND PROFILE - TAWNY ACORN DRIVE  
 CITY OF MADISON, WISCONSIN

CONTRACT NO: 9070



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 W-1



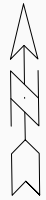
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 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 4/26/22

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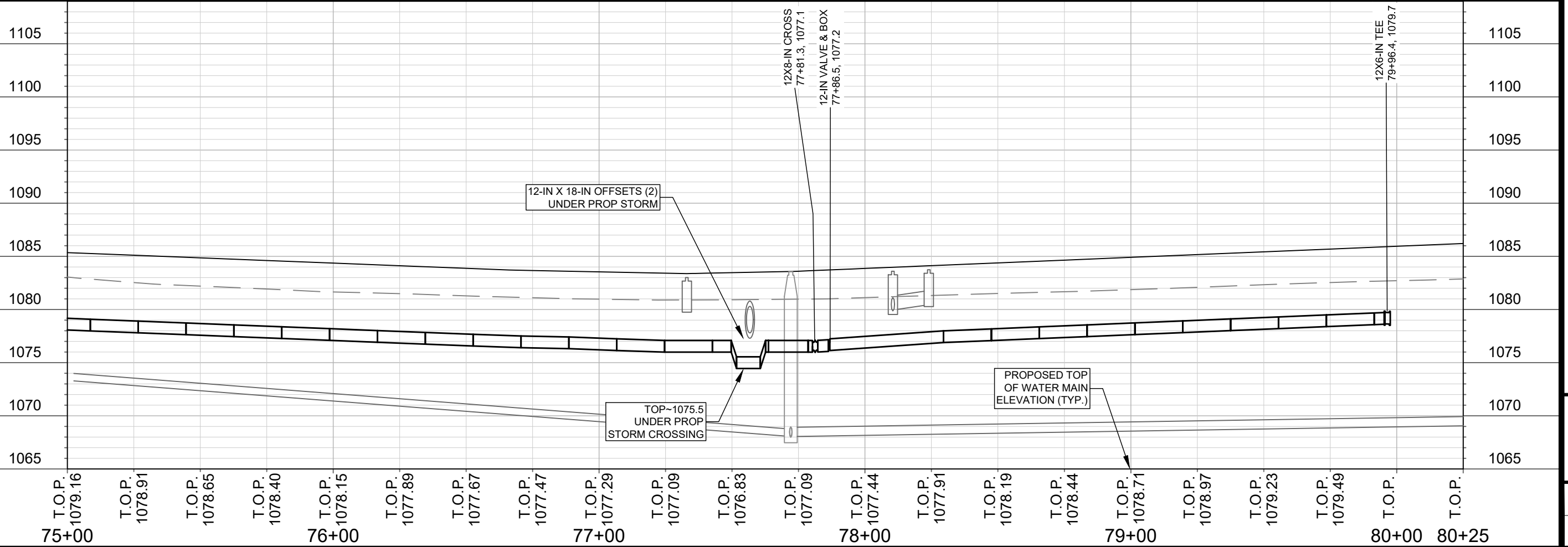
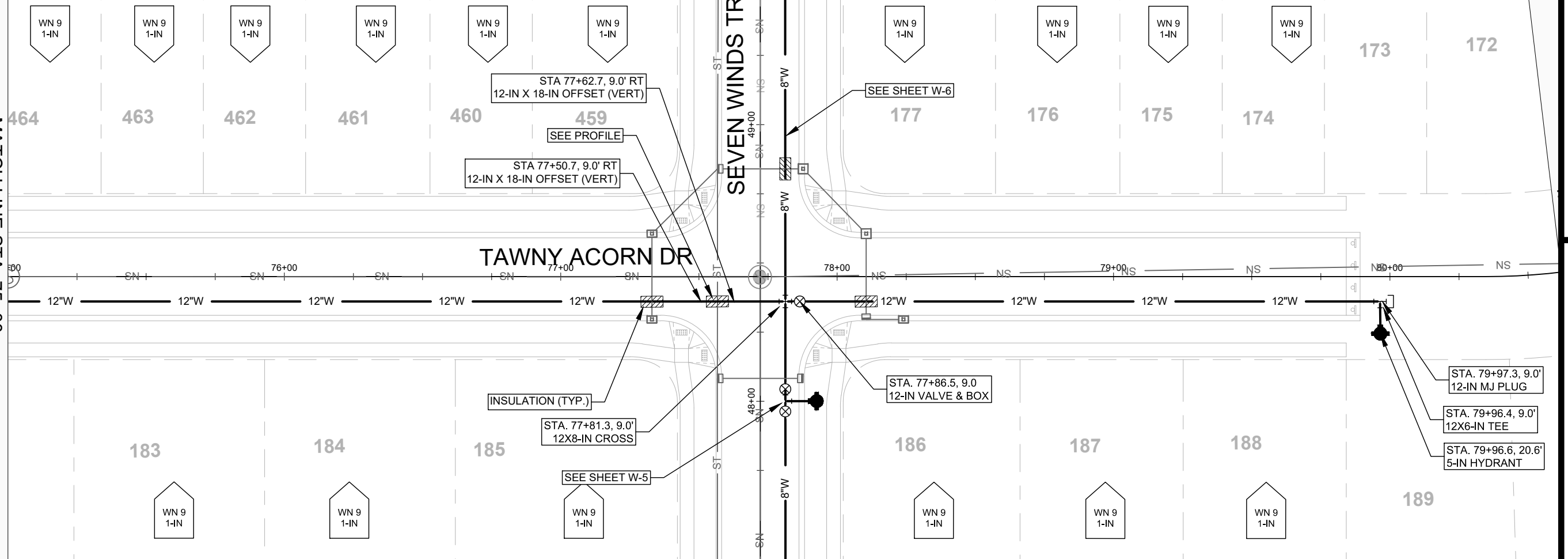
ACACIA RIDGE PHASE 7  
 WATER PLAN AND PROFILE - TAWNY ACORN DRIVE  
 CITY OF MADISON, WISCONSIN



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 W-2



MATCH LINE STA. 75+00



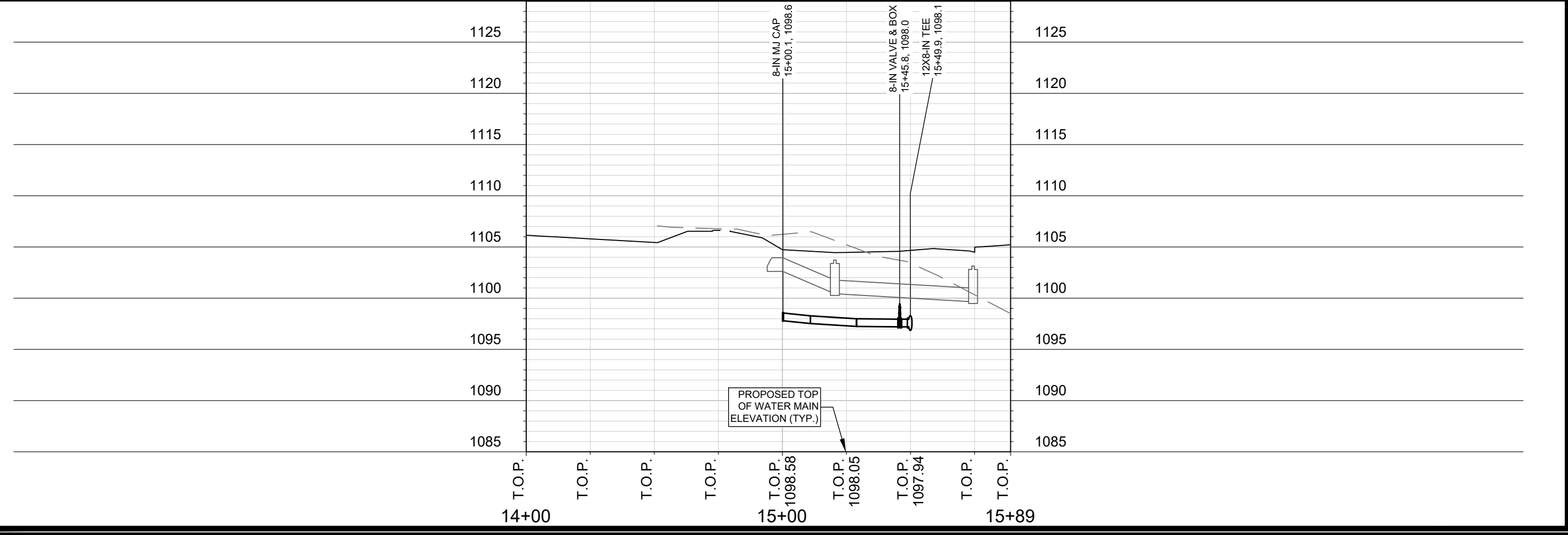
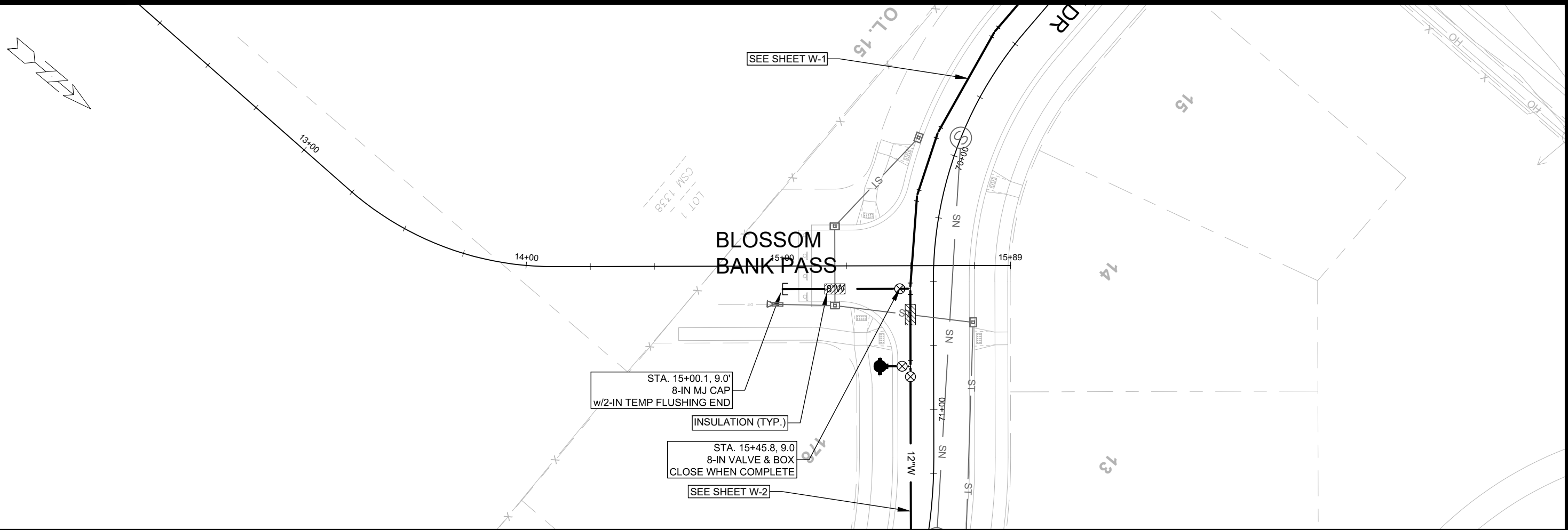
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 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 4/26/22

CONTRACT NO: 9070

ACACIA RIDGE PHASE 7  
 WATER PLAN AND PROFILE - TAWNY ACORN DRIVE  
 CITY OF MADISON, WISCONSIN



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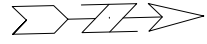


**ACACIA RIDGE PHASE 7**  
**WATER PLAN AND PROFILE - BLOSSOM BANK PASS**  
**CITY OF MADISON, WISCONSIN**

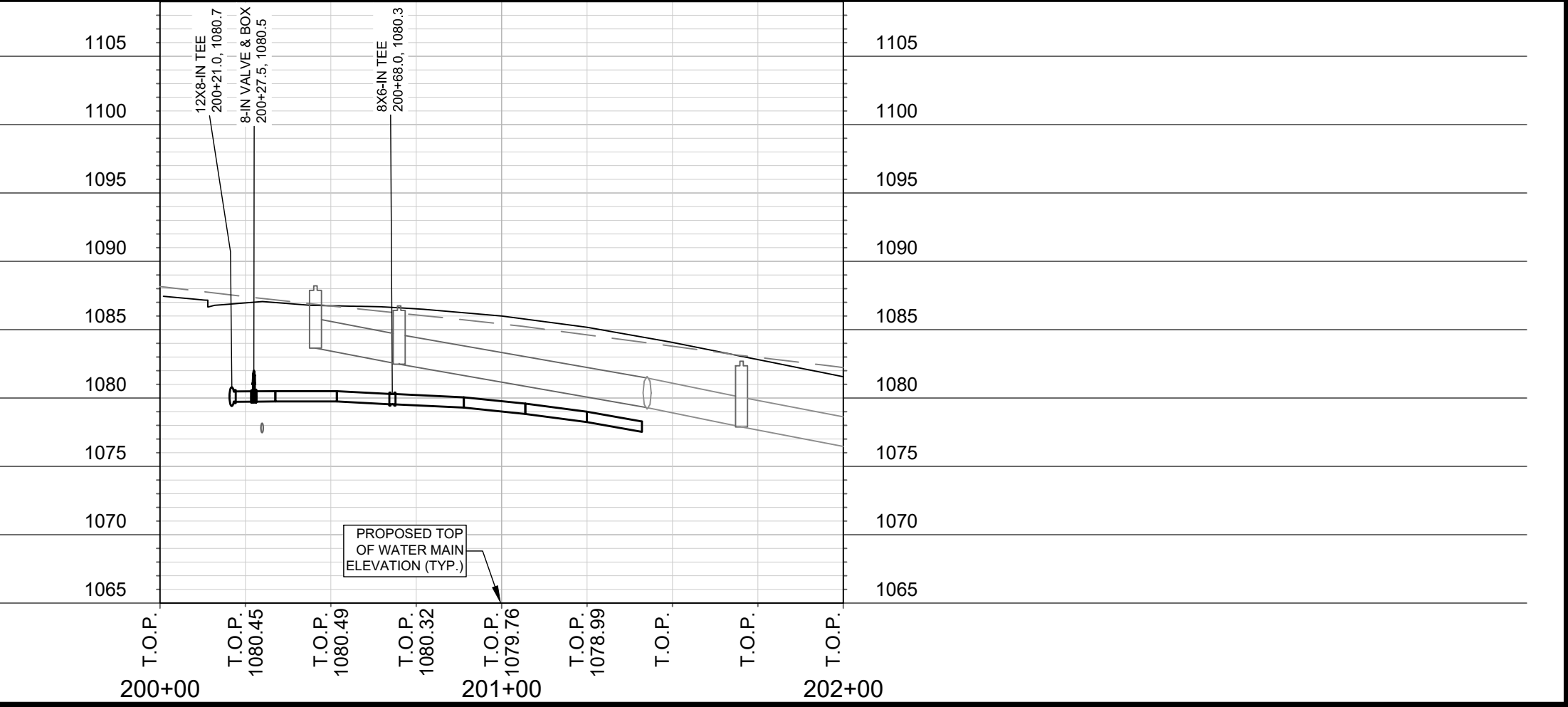
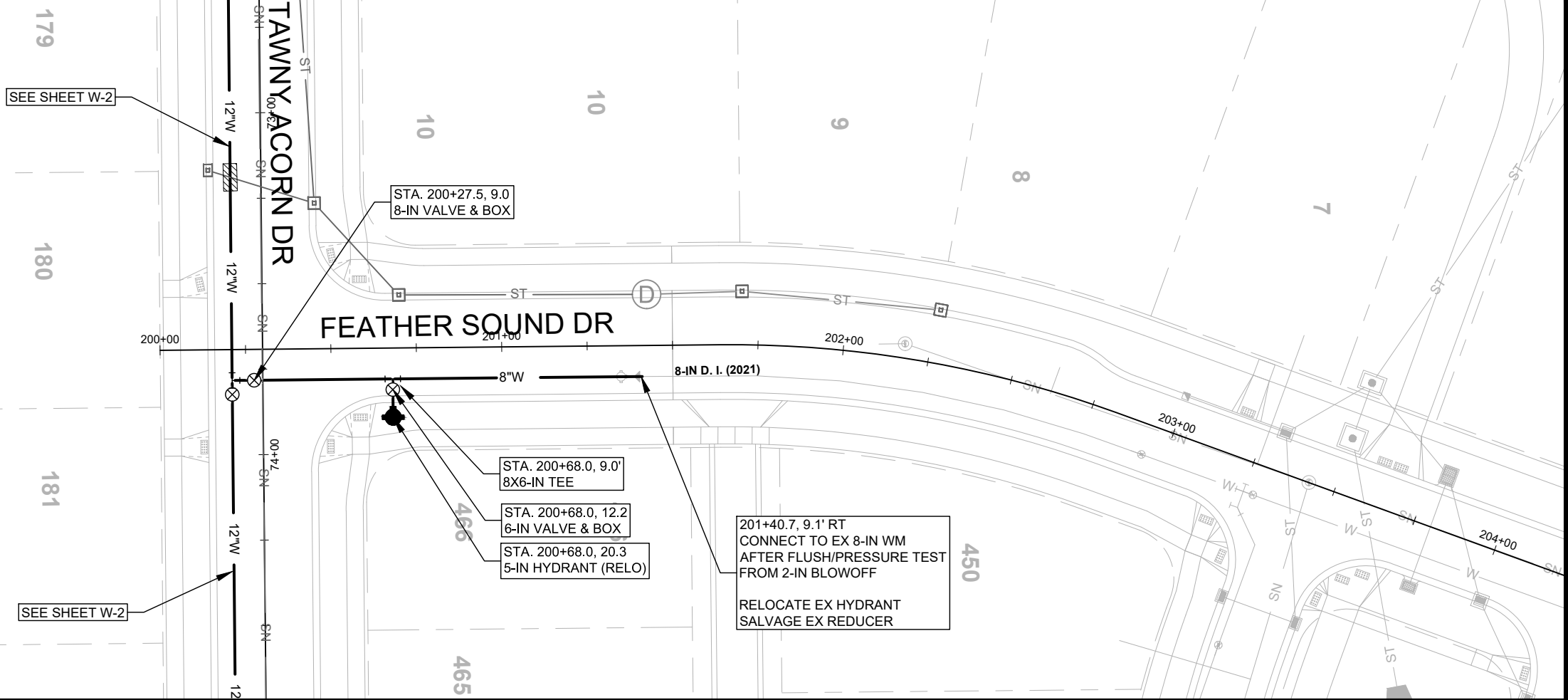
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MADISON WATER UTILITY  
119 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 4/26/22

CONTRACT NO: 9070

13767  
W-4



LOT 2  
CSM 1338



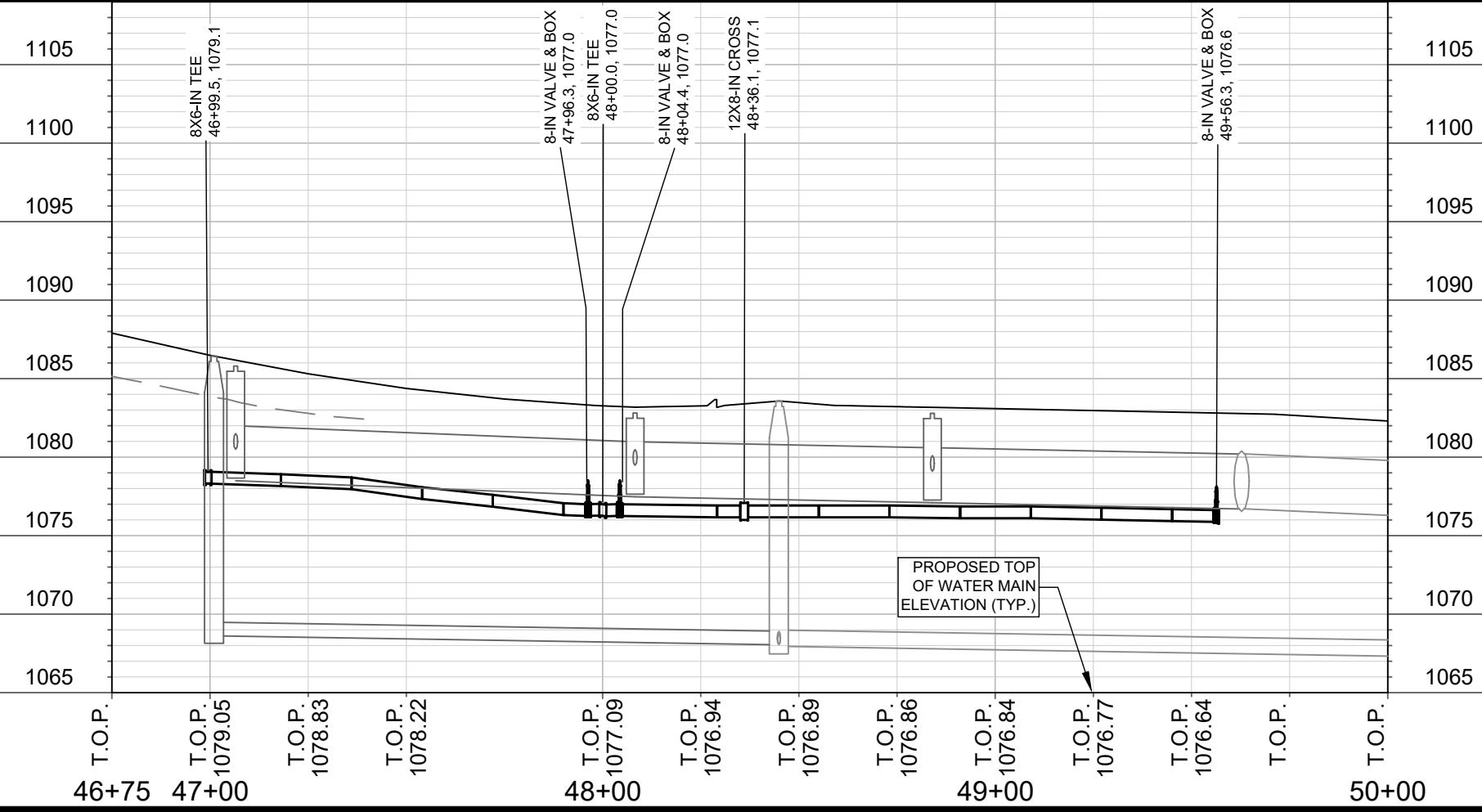
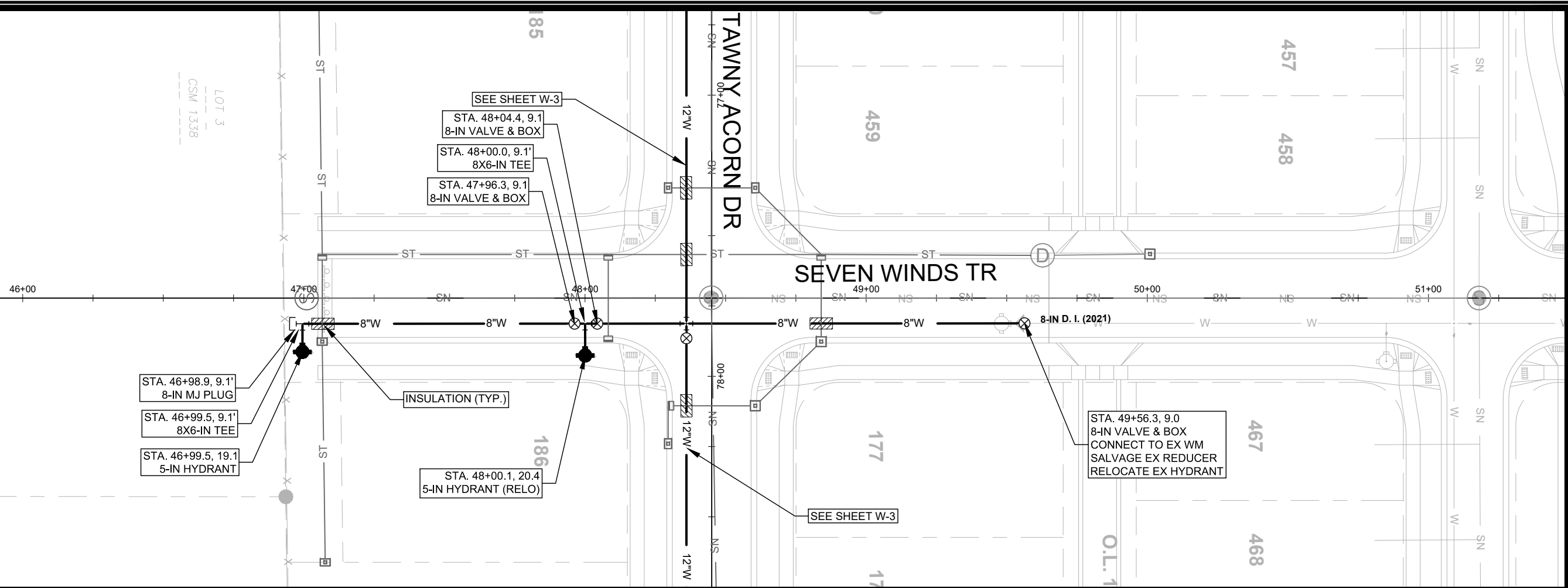
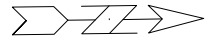
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 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 4/26/22

CONTRACT NO: 9070

ACACIA RIDGE PHASE 7  
 WATER PLAN AND PROFILE - FEATHER SOUND DRIVE  
 CITY OF MADISON, WISCONSIN



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 W-5



SCALE: 1" = 40'  
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 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 4/26/22

ACACIA RIDGE PHASE 7  
 WATER PLAN AND PROFILE - SEVEN WINDS TRAIL  
 CITY OF MADISON, WISCONSIN

CONTRACT NO: 9070



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 W-6



DISCLAIMER NOTE:  
 THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES  
 TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING  
 NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY  
 ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

SCALE: 1" = 80'  
 DESIGNED BY: PEH  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 6/2/22

CONTRACT NO: 9070

ACACIA RIDGE PHASE 7  
 WATER IMPACT PLAN  
 CITY OF MADISON, WISCONSIN



13767  
 W-7





**\*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

DESCRIPTION	QUANTITY	UNIT
6-INCH PIPE & FITTINGS	60	LNFT
8-INCH PIPE & FITTINGS	420	LNFT
12-INCH PIPE & FITTINGS	1140	LNFT
6-INCH WATER VALVE	2	EACH
8-INCH WATER VALVE	5	EACH
12-INCH WATER VALVE	3	EACH
HYDRANT	3	EACH
RELOCATE HYDRANT	2	EACH
1-INCH SERVICE LATERALS	29	EACH
STYROFOAM INSULATION	8	EACH
8-IN MJ CAP W/2-IN CORP	2	EACH
8-IN MJ CAP	1	EACH
8-IN MJ PLUG	1	EACH
12-IN MJ PLUG	1	EACH
12X8-IN CROSS	1	EACH
12-IN 22-1/2° BEND	2	EACH
12-IN 11-1/4° BEND	3	EACH
8X6-IN TEE	3	EACH
12X6-IN TEE	2	EACH
12X8-IN TEE	2	EACH
12X18-IN OFFSET	2	EACH

**\*ESTIMATE OF REUSED AND SALVAGED MATERIALS**

DESCRIPTION	QUANTITY	UNIT
HYDRANT	2	RELOCATE
8X6-IN REDUCER	2	SALVAGE
12-IN MJ CAP	1	SALVAGE

\*ACCURACY OF ABOVE MATERIALS TAKE-OFFS SHOULD BE VERIFIED THROUGH REVIEW OF THE ASSOCIATED PLAN SET

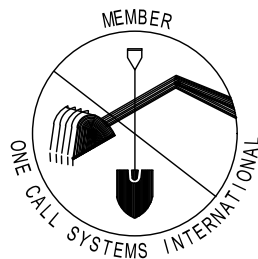
**CONSTRUCTION NOTES:**

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED, TO DETERMINE THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS, PRIOR TO COMMENCING WORK.

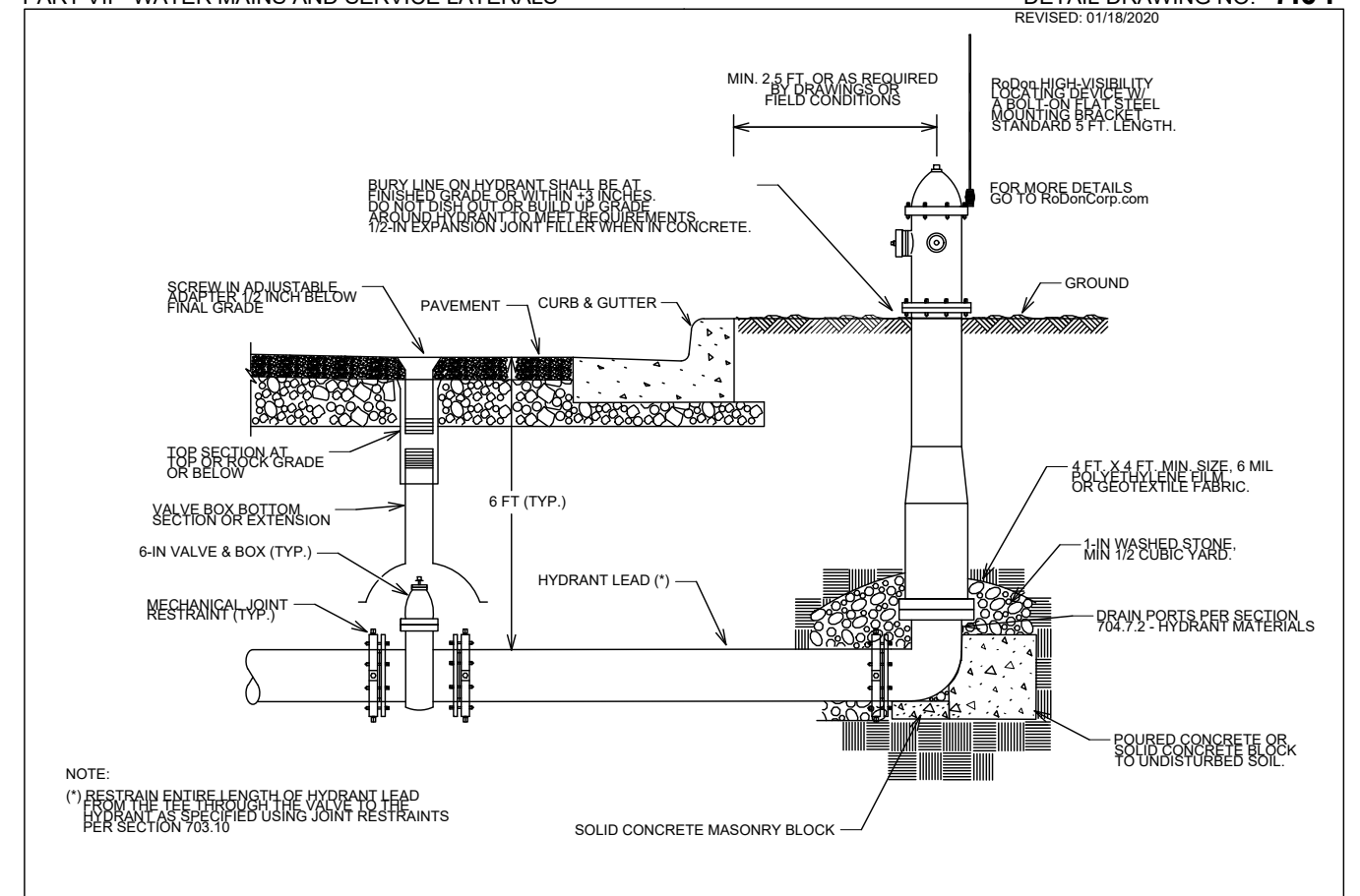
- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN-5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN-8 ABANDON THE VALVE BOX.
- WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN-10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
 CALL DIGGERS HOTLINE TOLL FREE  
 811 OR 1-800-242-8511  
 FAX-A-LOCATE 1-800-338-3860  
 TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



**PART VII - WATER MAINS AND SERVICE LATERALS** DETAIL DRAWING NO. **7.04**



CITY OF MADISON WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

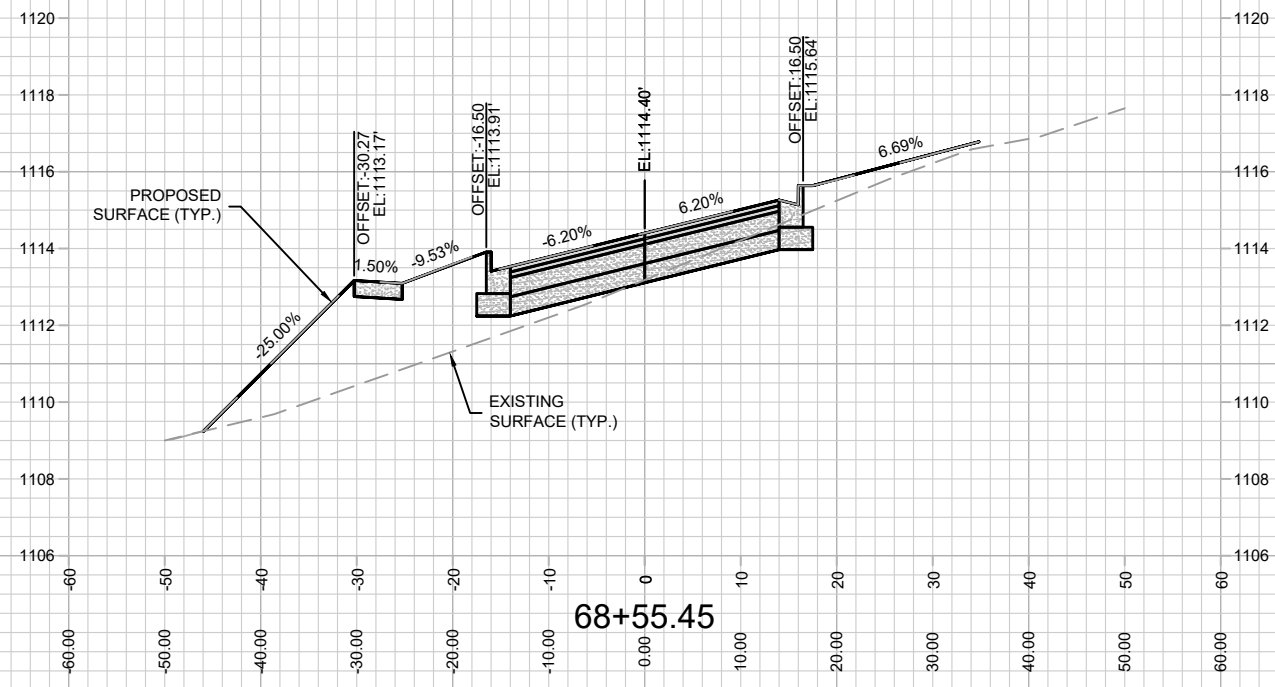
WATER ESTIMATE OF MATERIALS  
 ACACIA RIDGE PHASE 7  
 CITY OF MADISON, WISCONSIN



13767  
W-8

SCALE: N/A  
 DESIGNED BY: PEH  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 3/31/22

CONTRACT NO: 9070

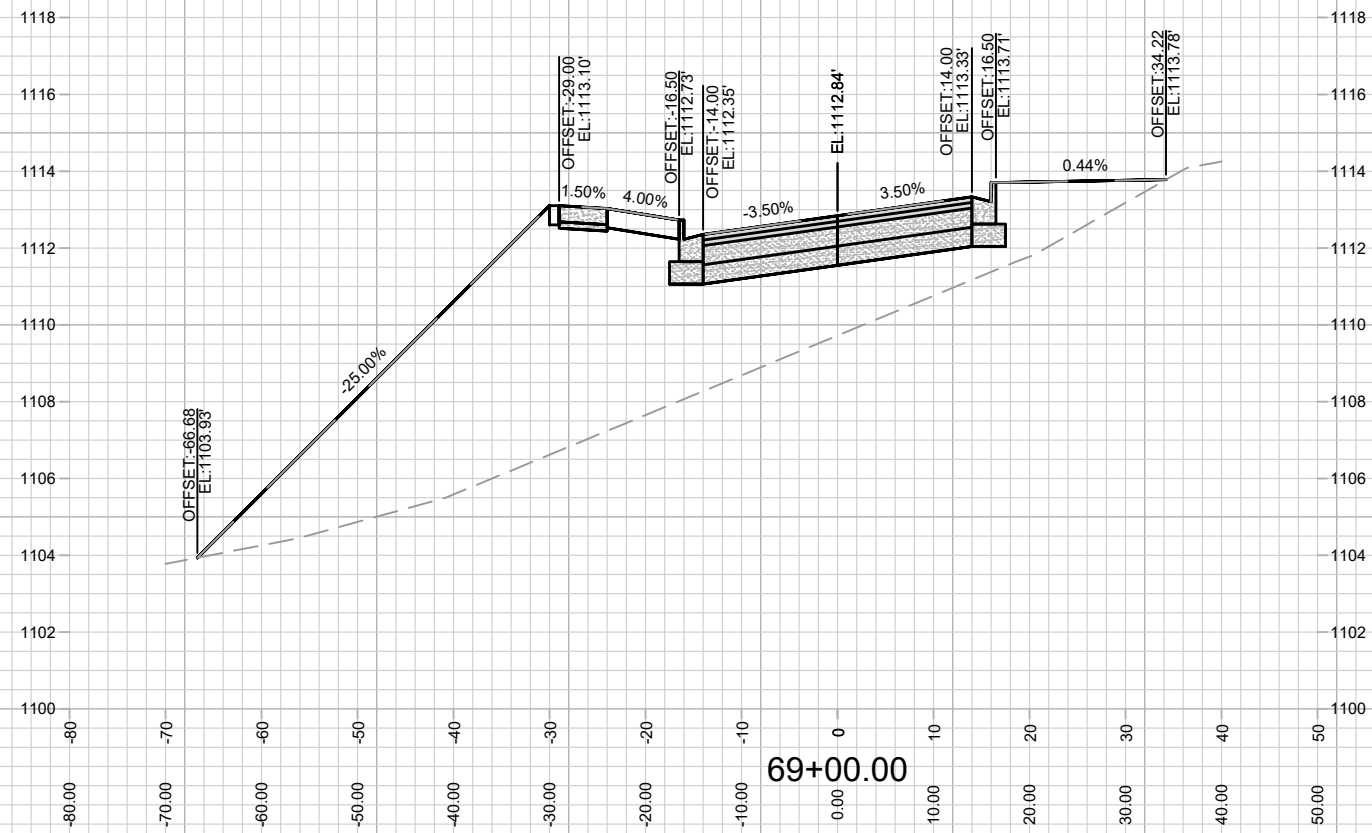
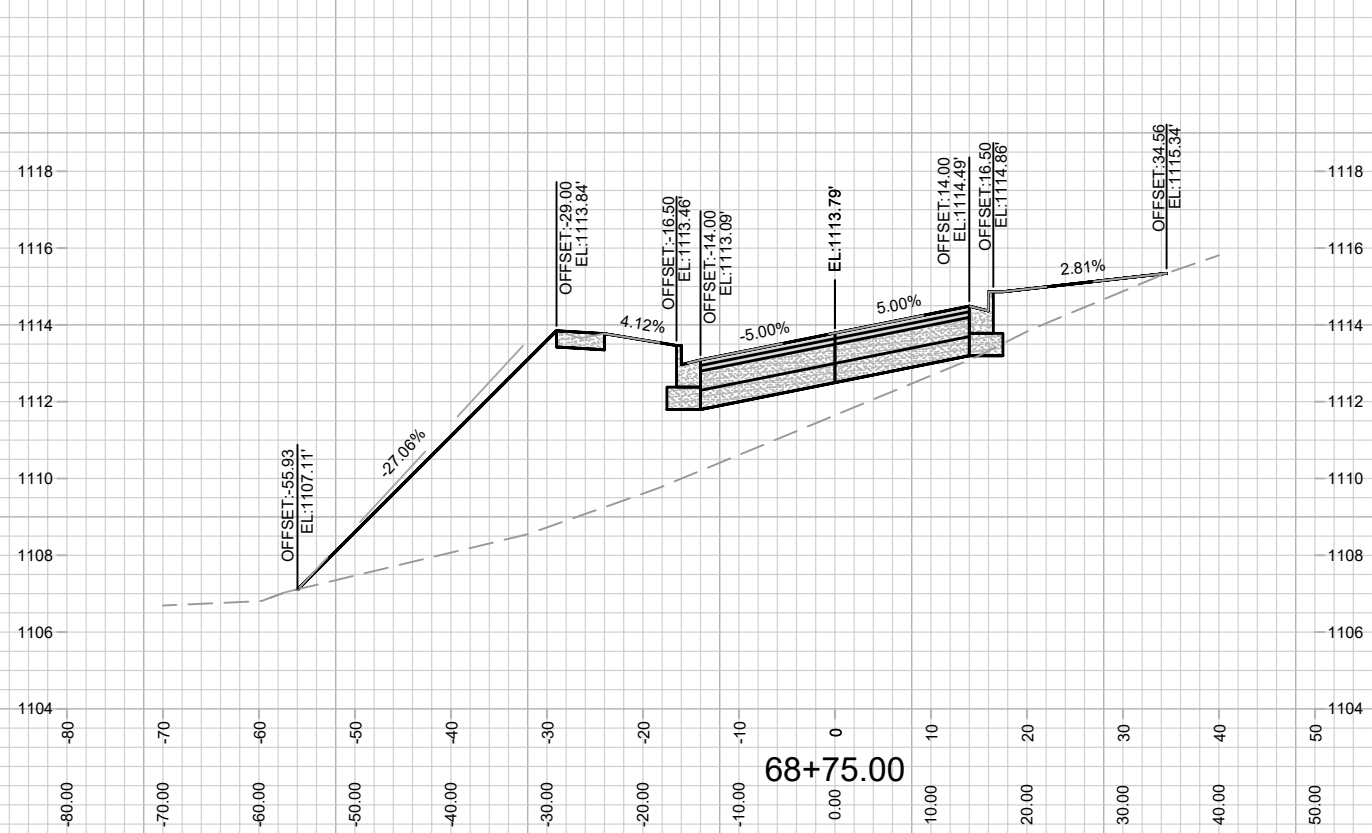


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 MADISON, WI  
 ACACIA RIDGE PHASE 7  
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MARK	REVISION	DATE	BY

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 MADISON, WI  
 9070  
 CONTRACT NO:

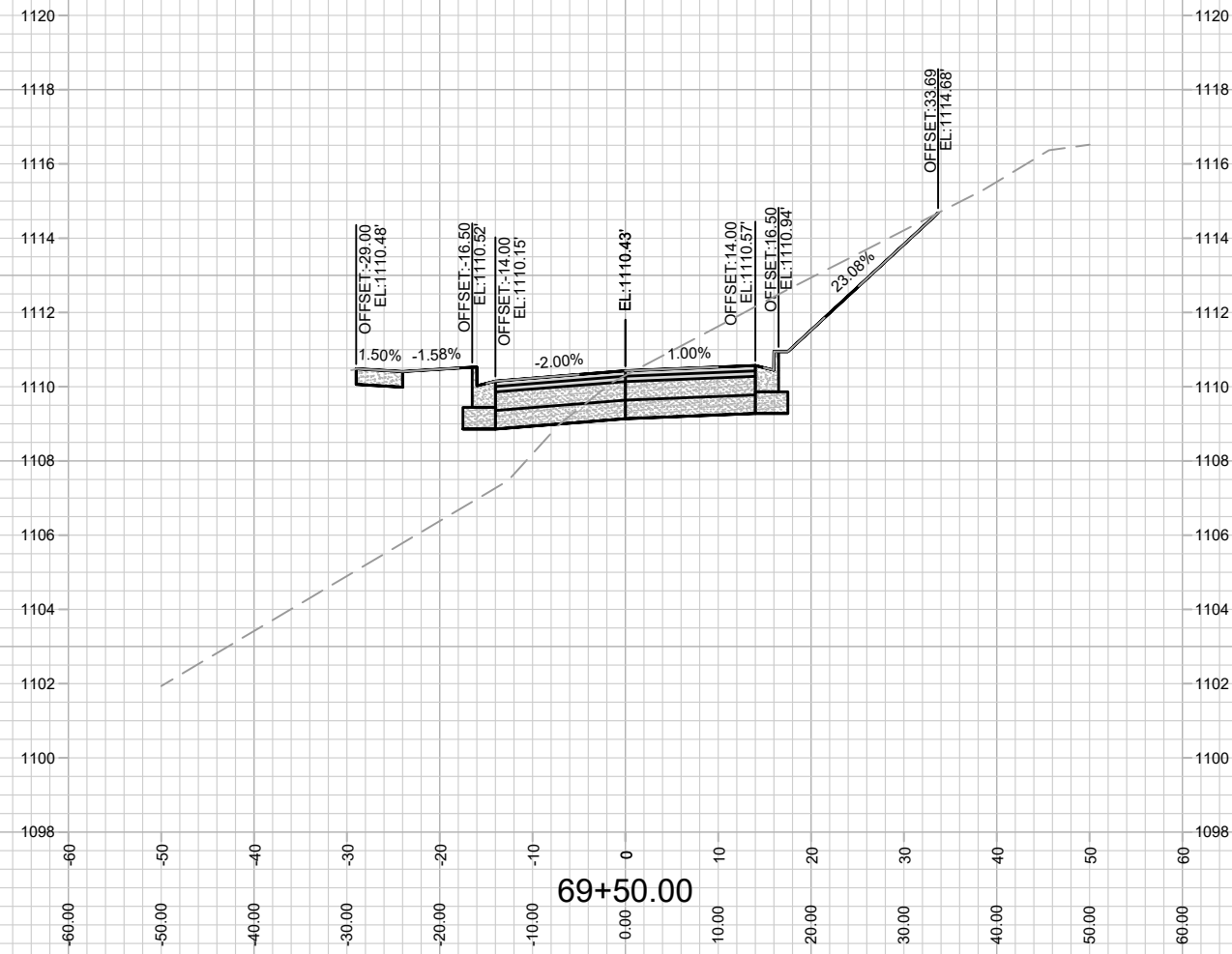
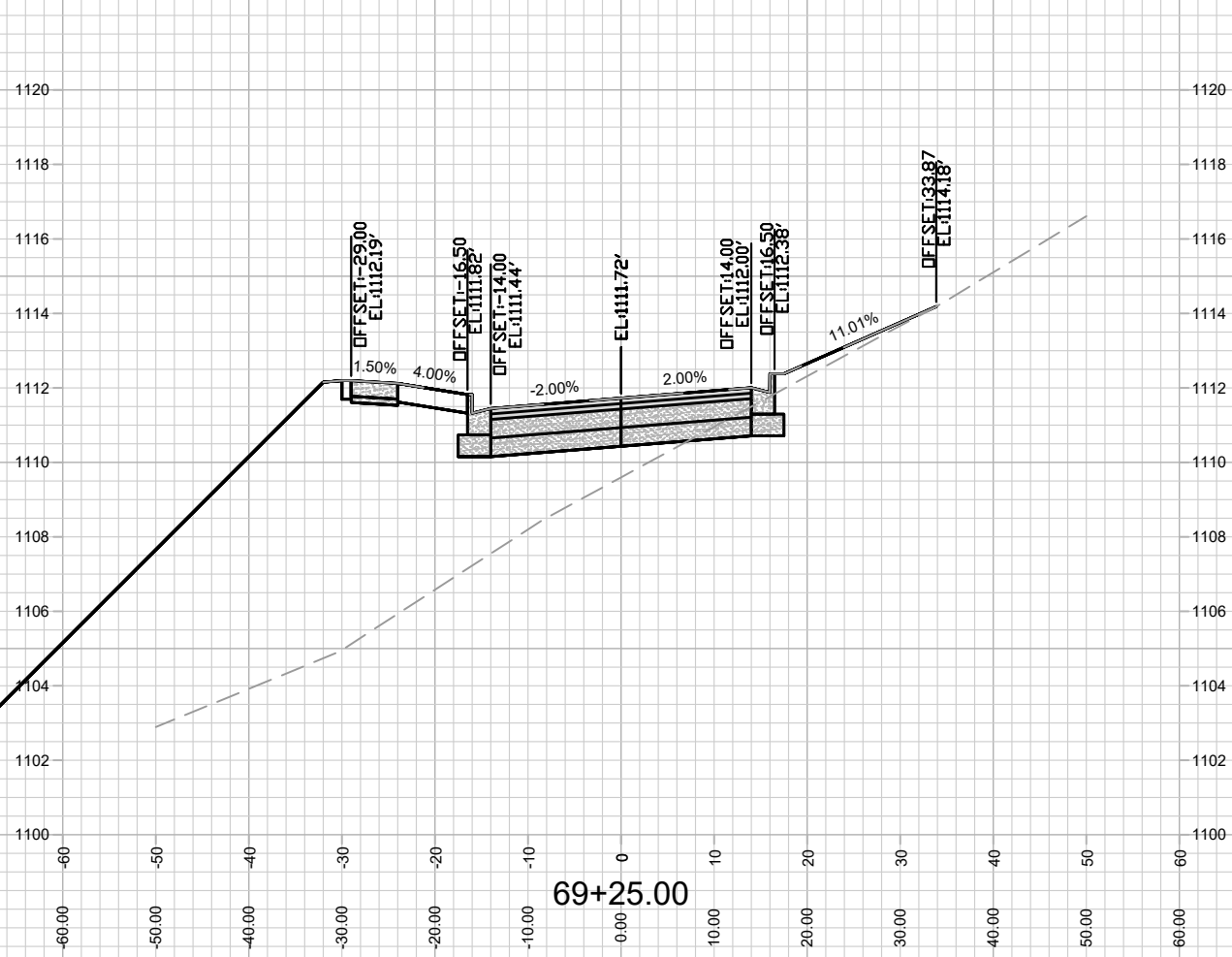
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13767  
 X-2

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13767  
X-3

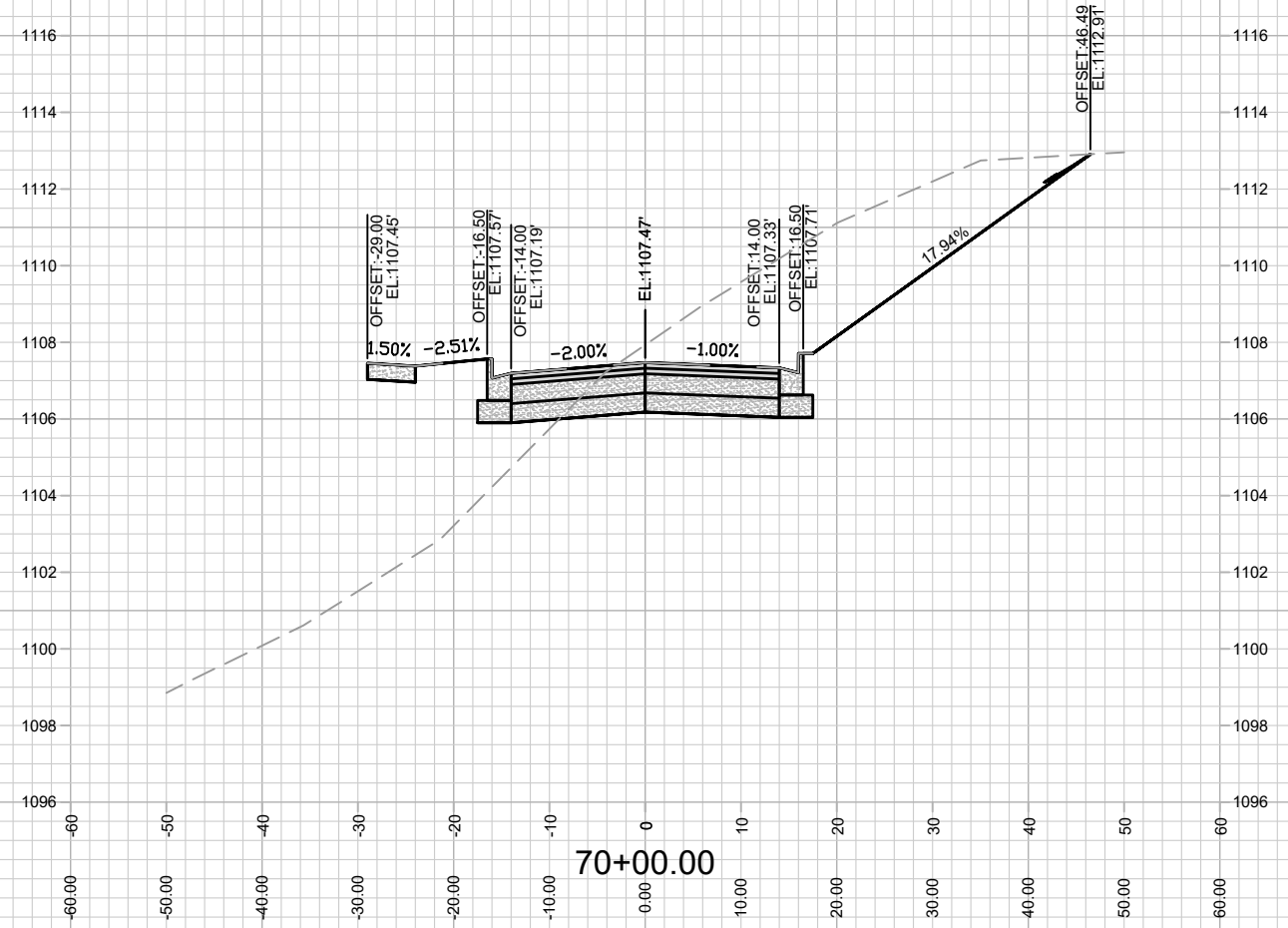
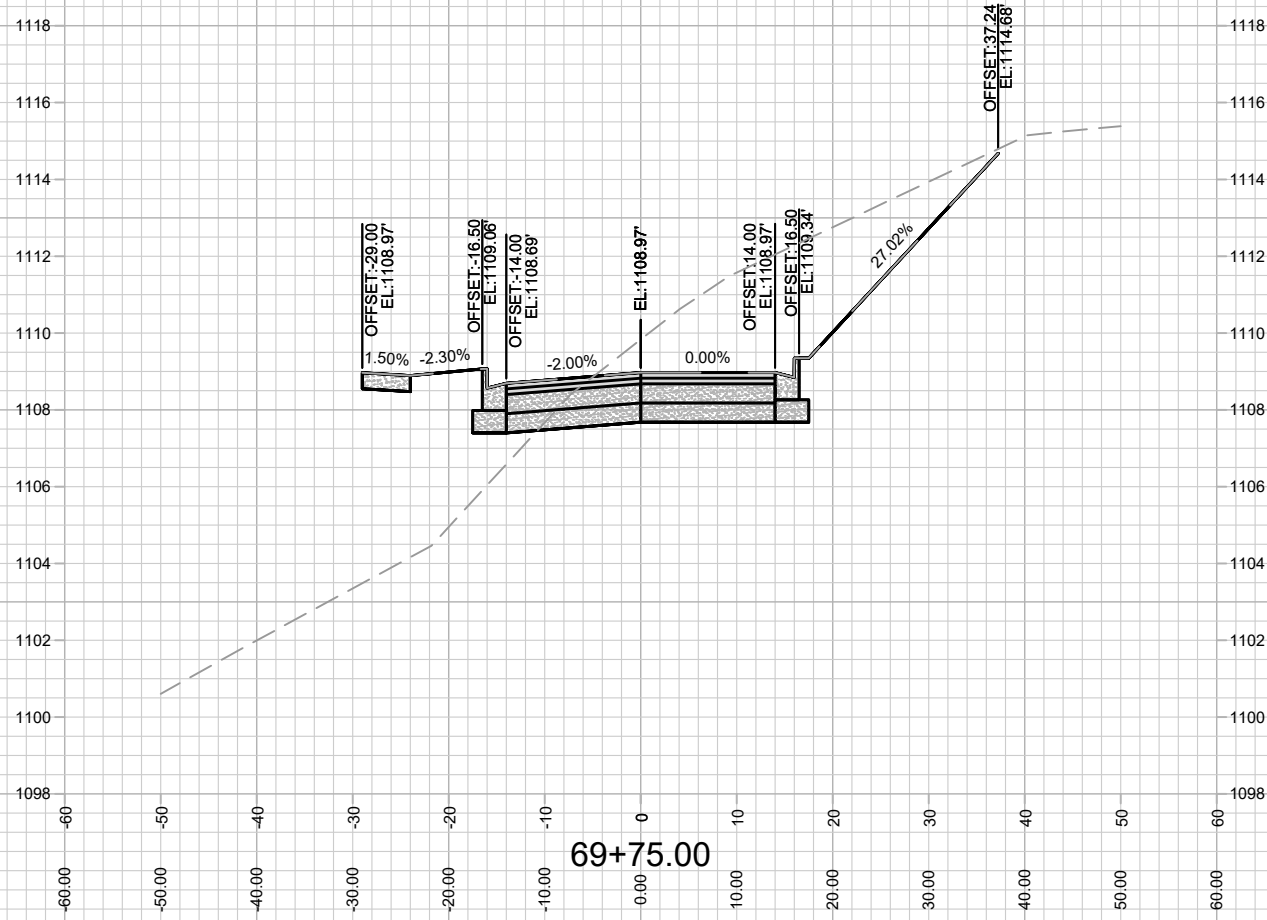
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ACACIA RIDGE PHASE 7

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MADISON, WI  
CONTRACT NO: 9070

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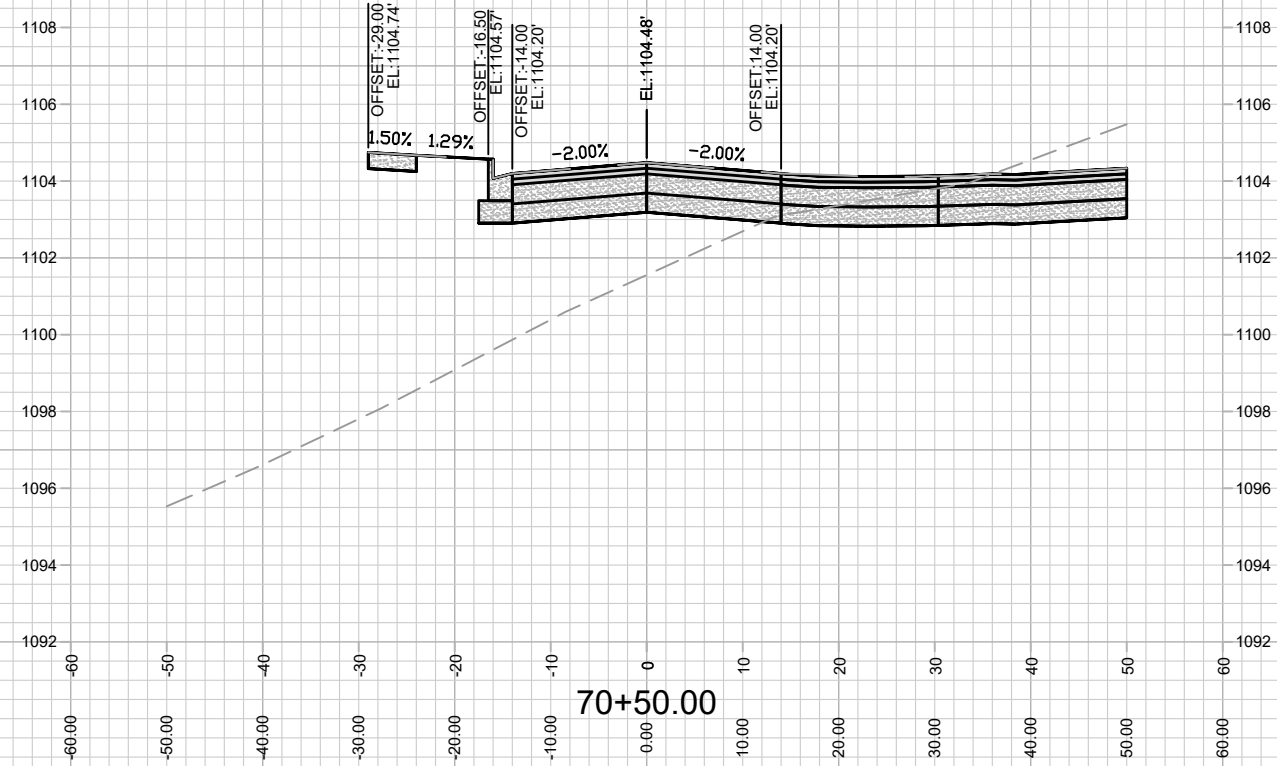
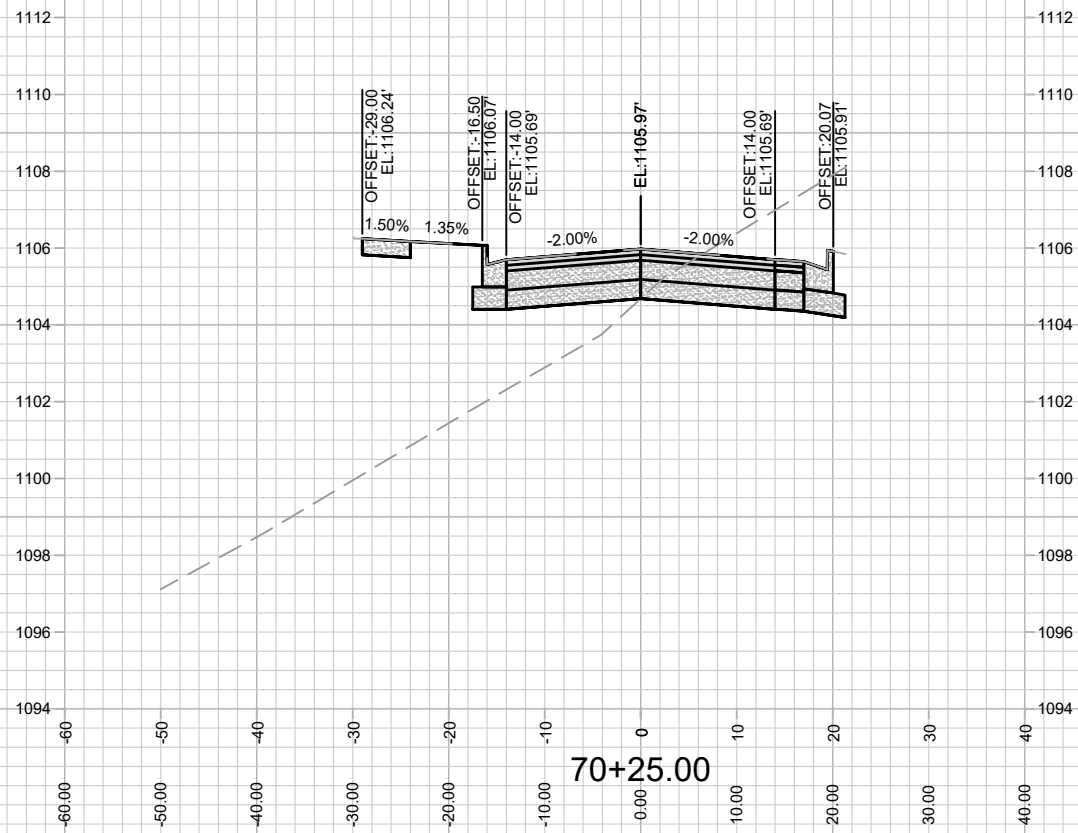
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TAWNY ACORN DRIVE - CROSS SECTION  
ACACIA RIDGE PHASE 7

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MADISON, WI  
CONTRACT NO: 9070

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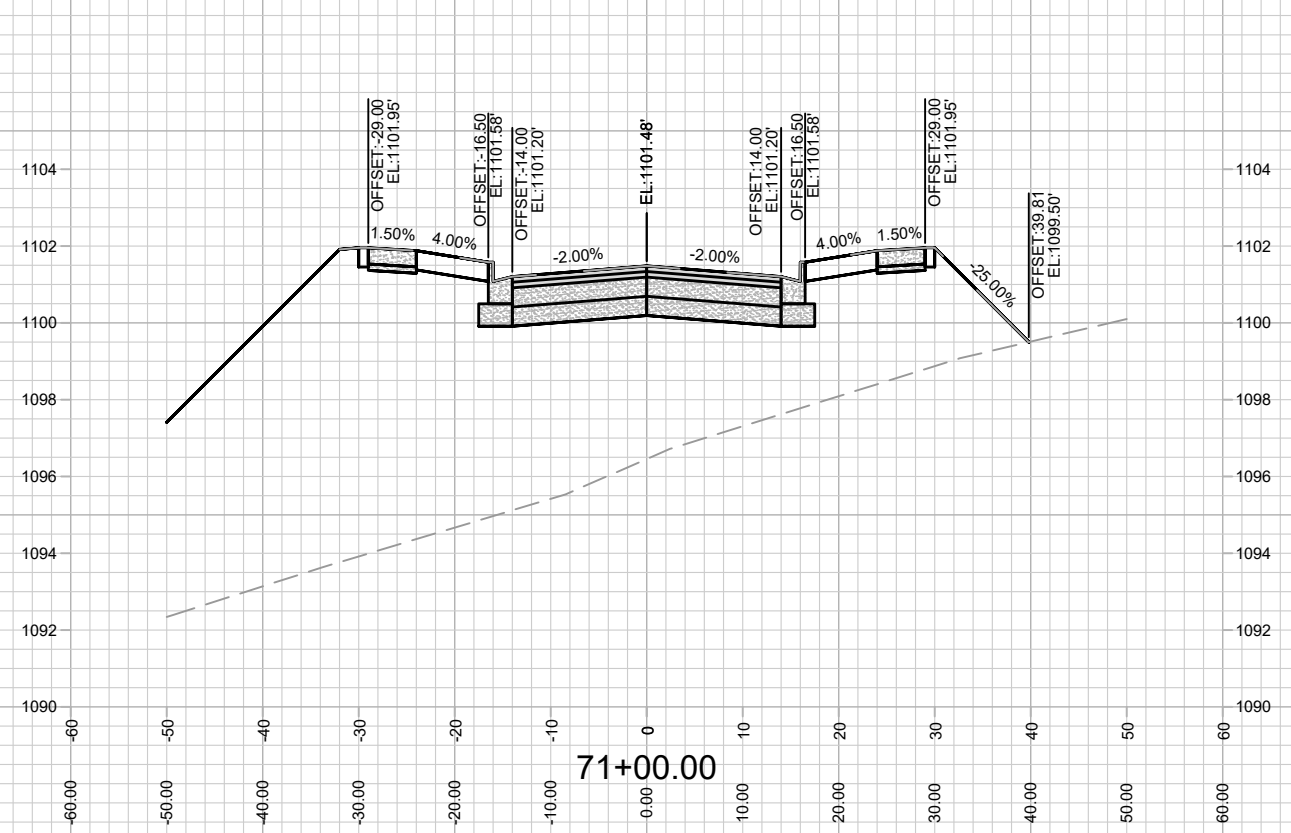
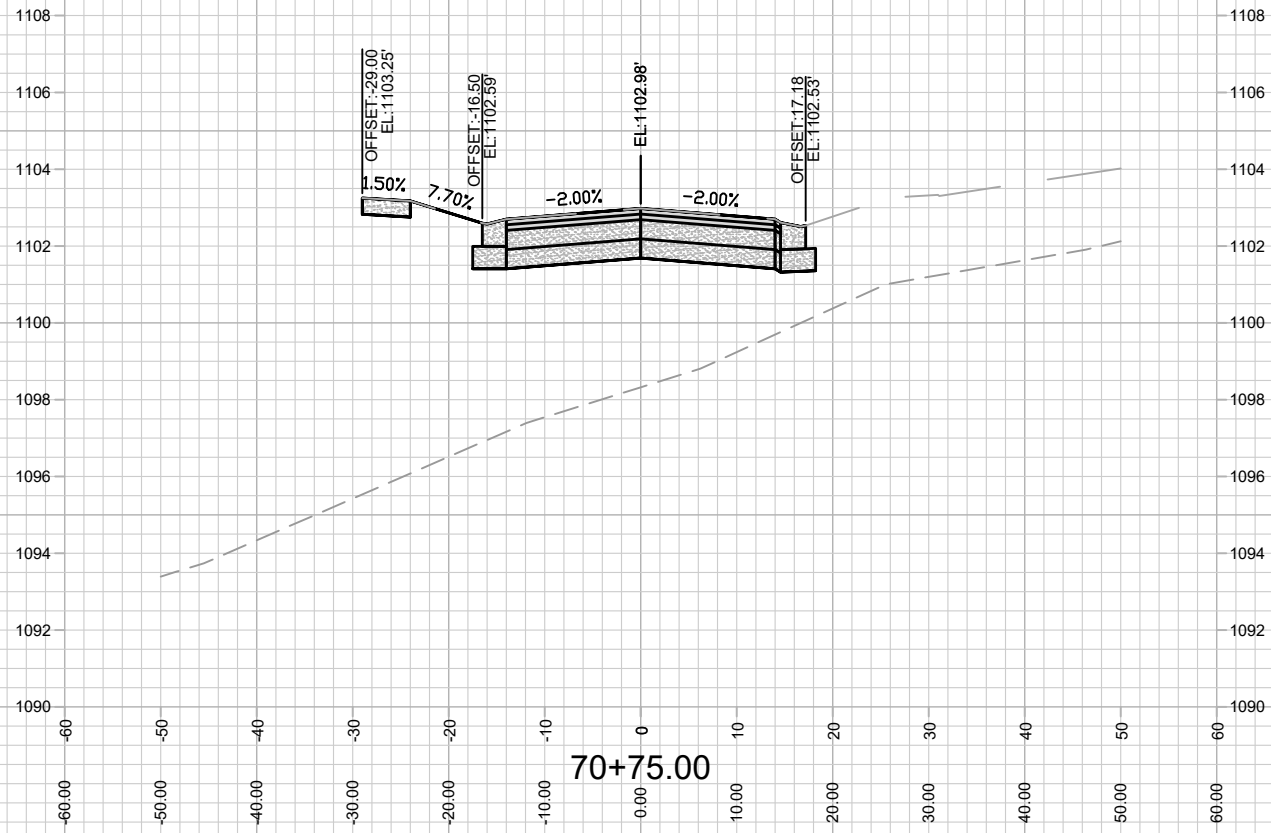


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**13767**  
**MADISON, WI**  
**9070**  
**CONTRACT NO:**  
**TAWNY ACORN DRIVE - CROSS SECTION**  
**ACACIA RIDGE PHASE 7**  
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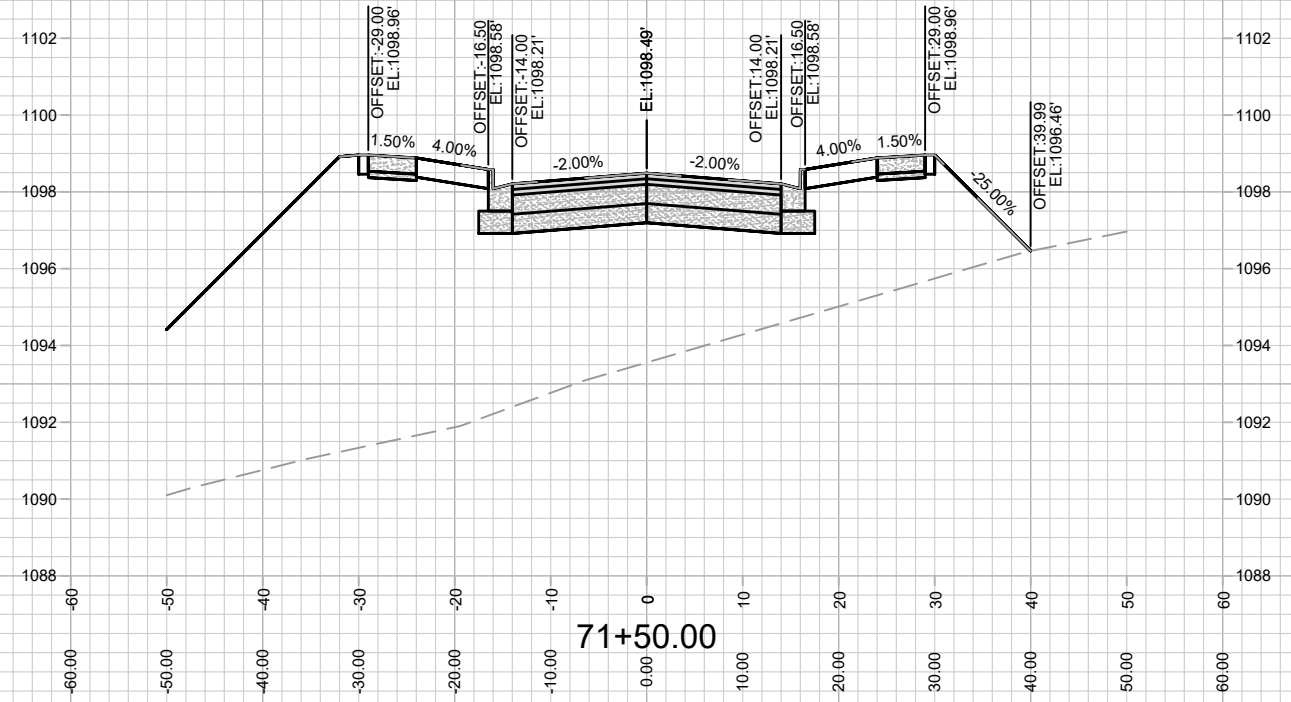
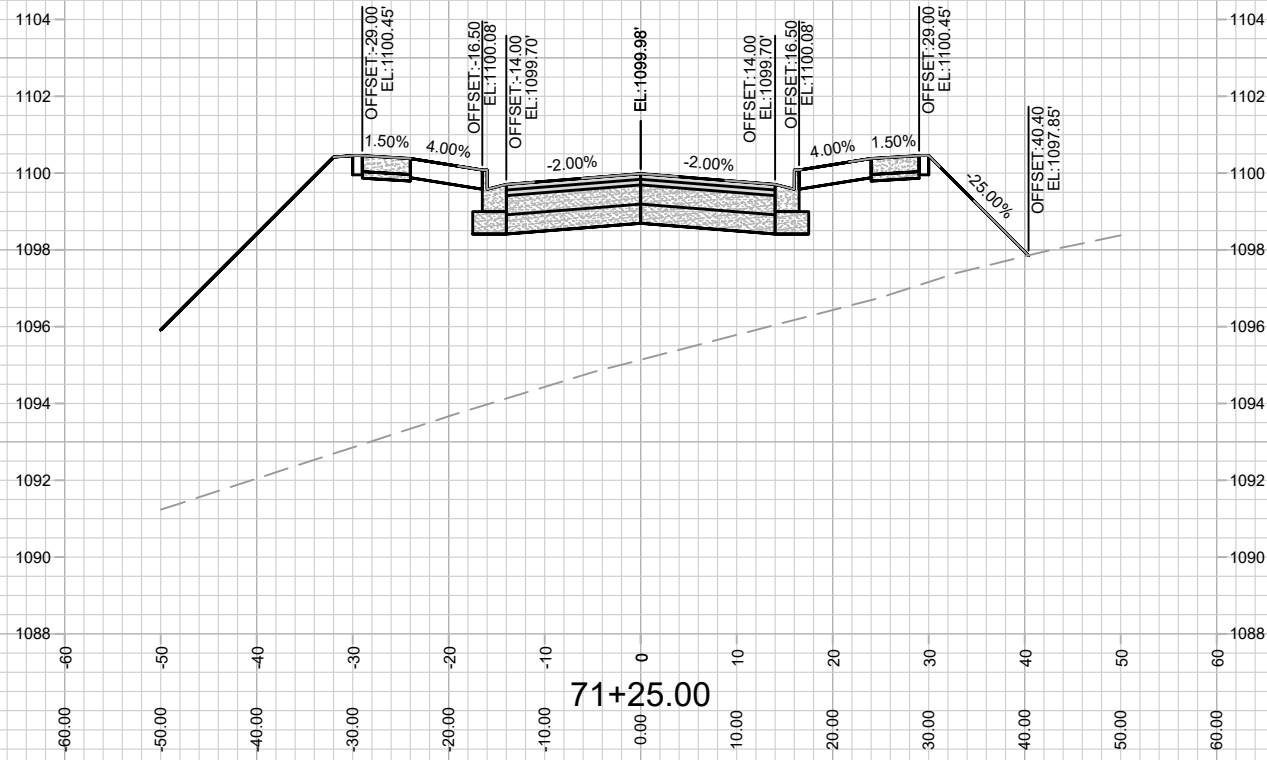


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 MADISON, WI  
 9070  
 CONTRACT NO:

TAWNY ACORN DRIVE - CROSS SECTION  
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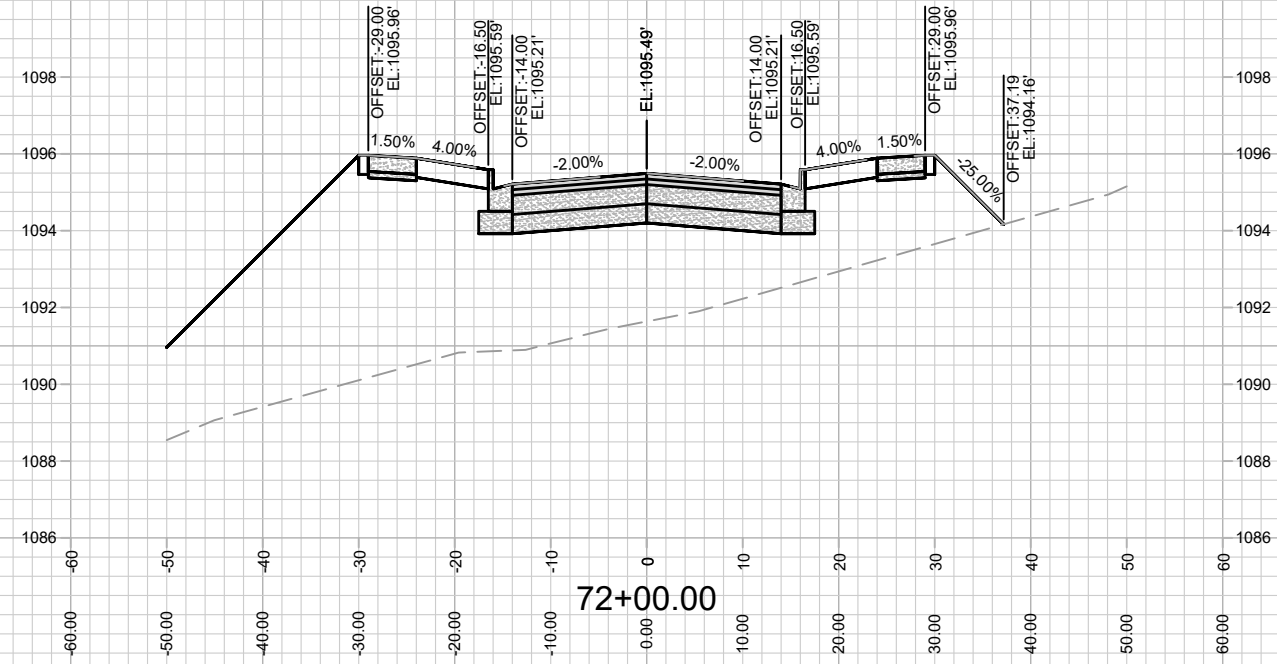
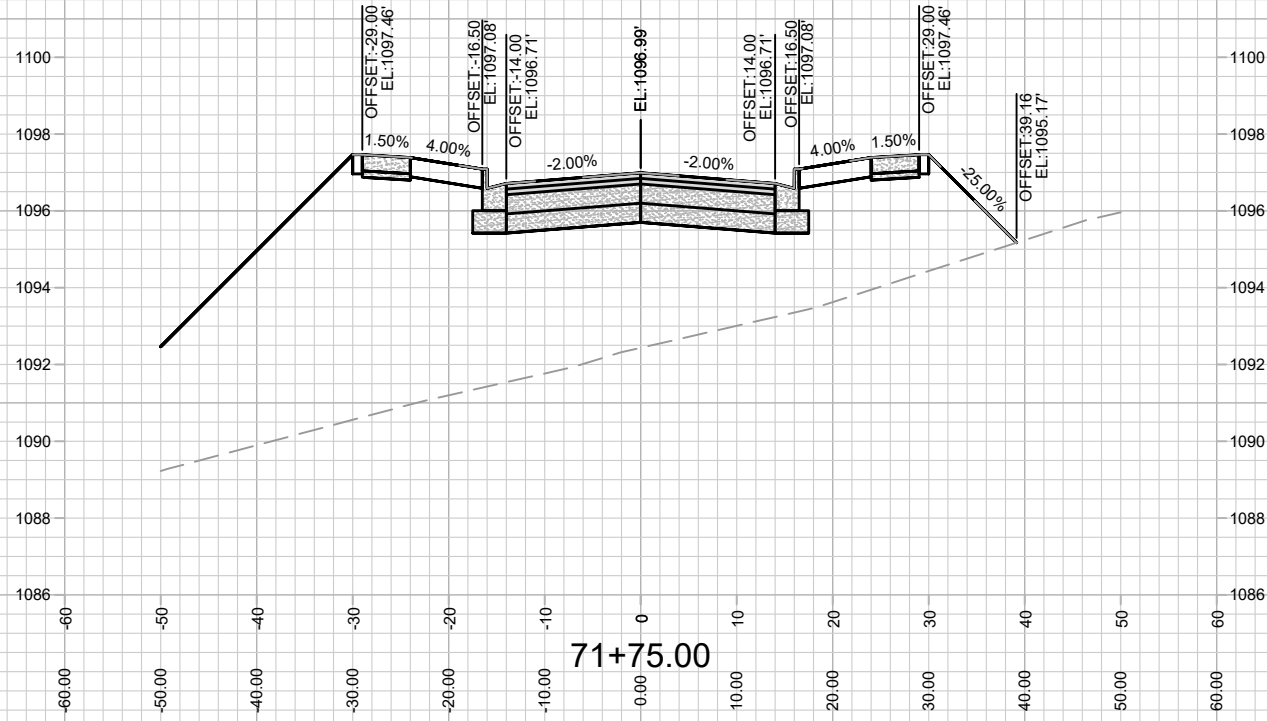
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ACACIA RIDGE PHASE 7

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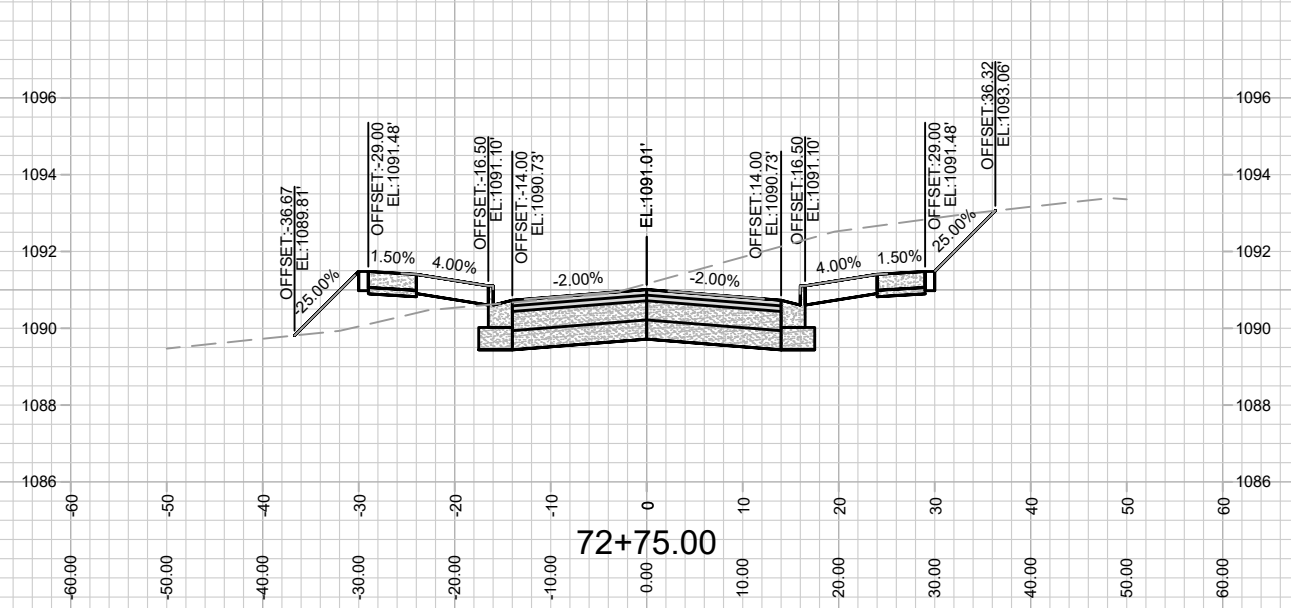
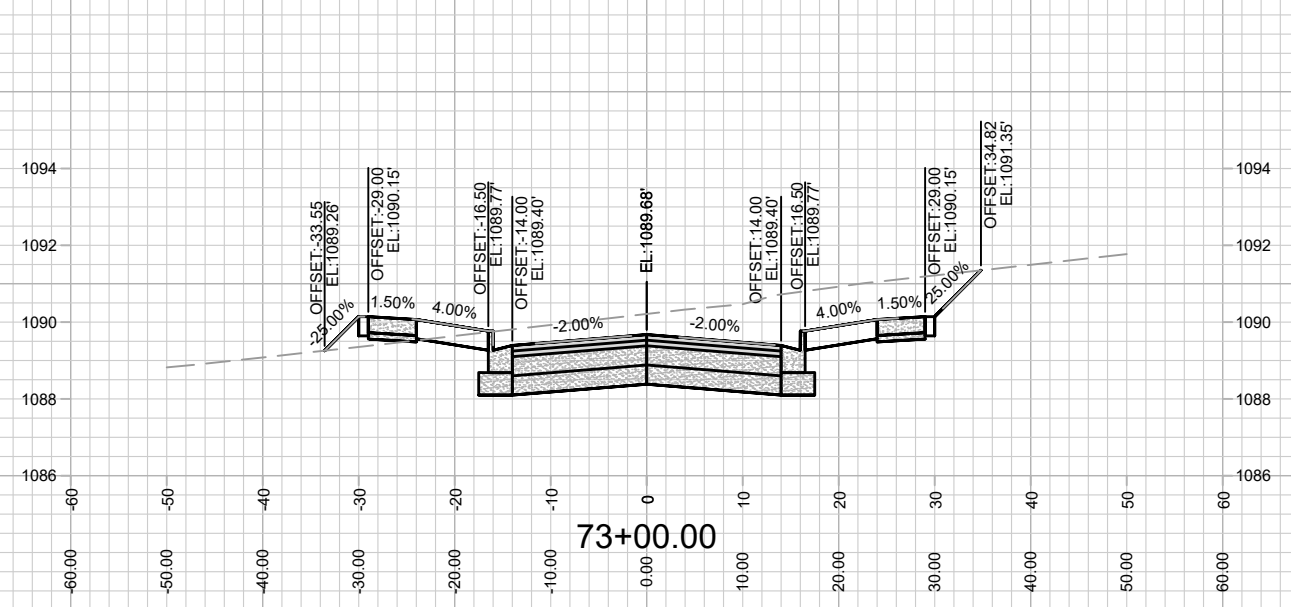
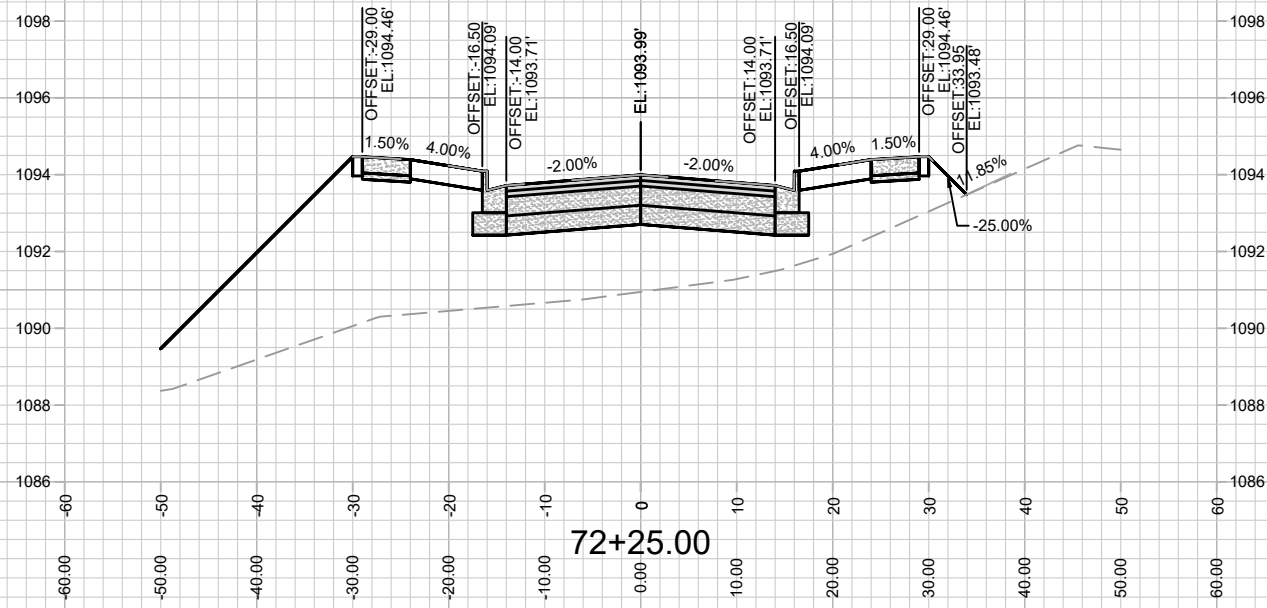
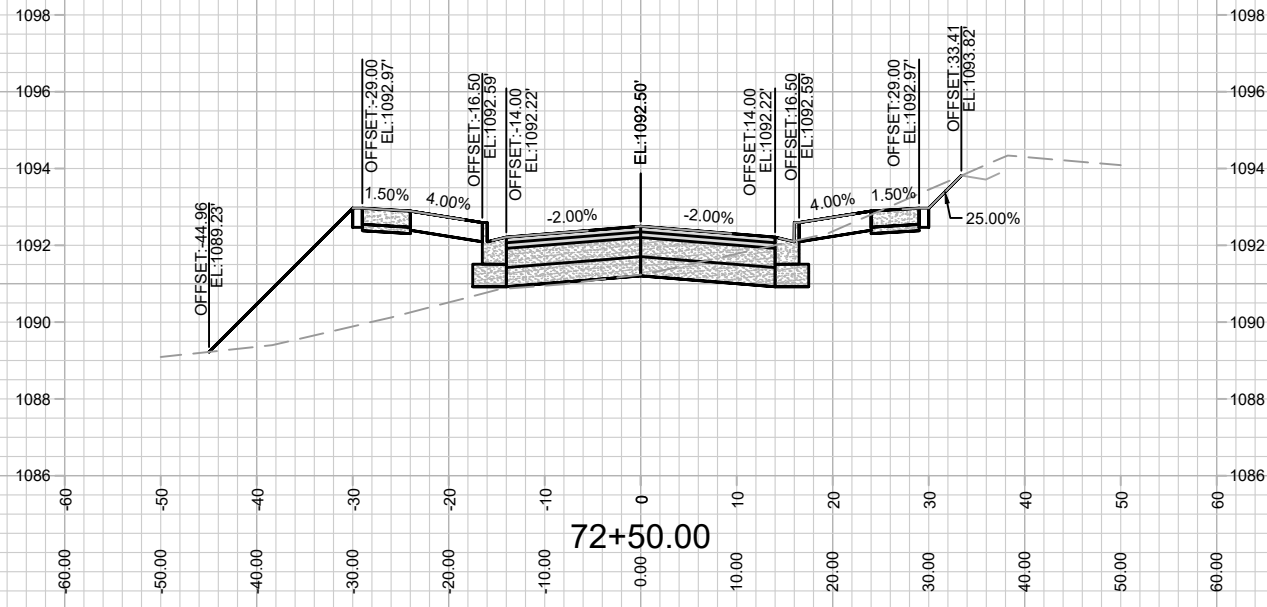
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ACACIA RIDGE PHASE 7

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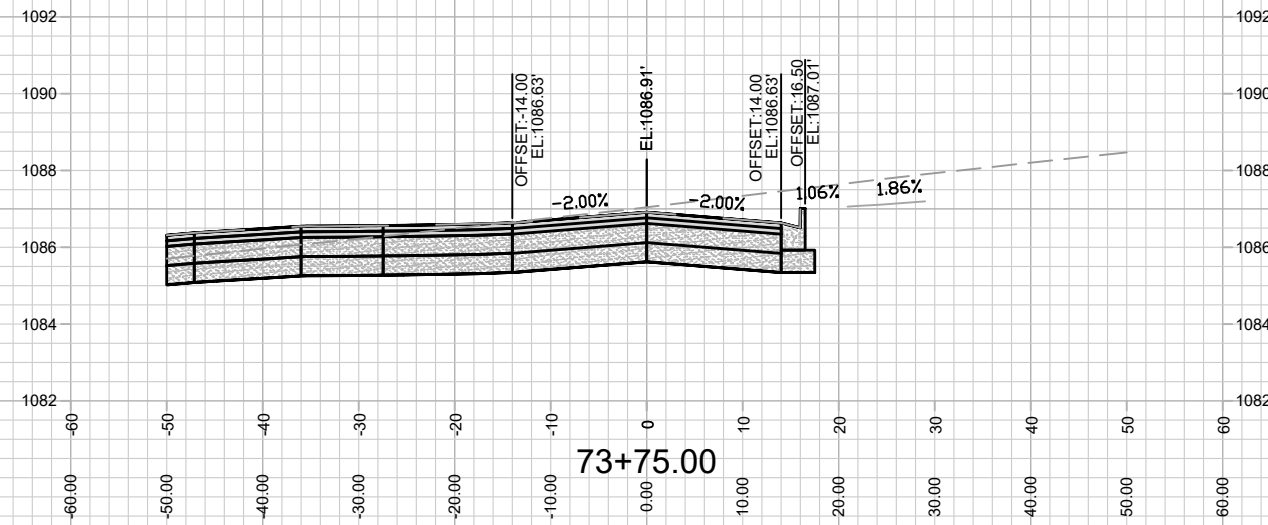
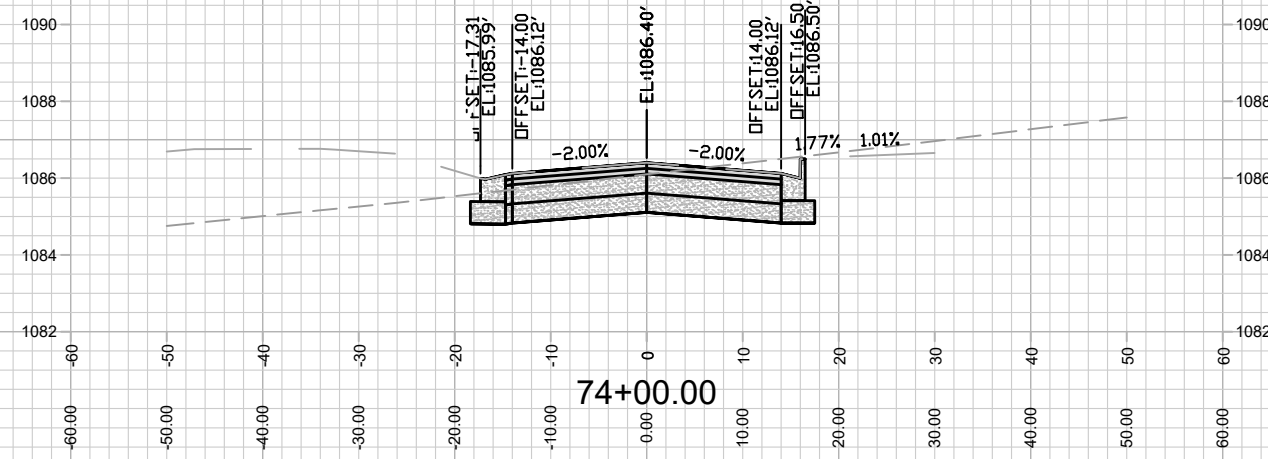
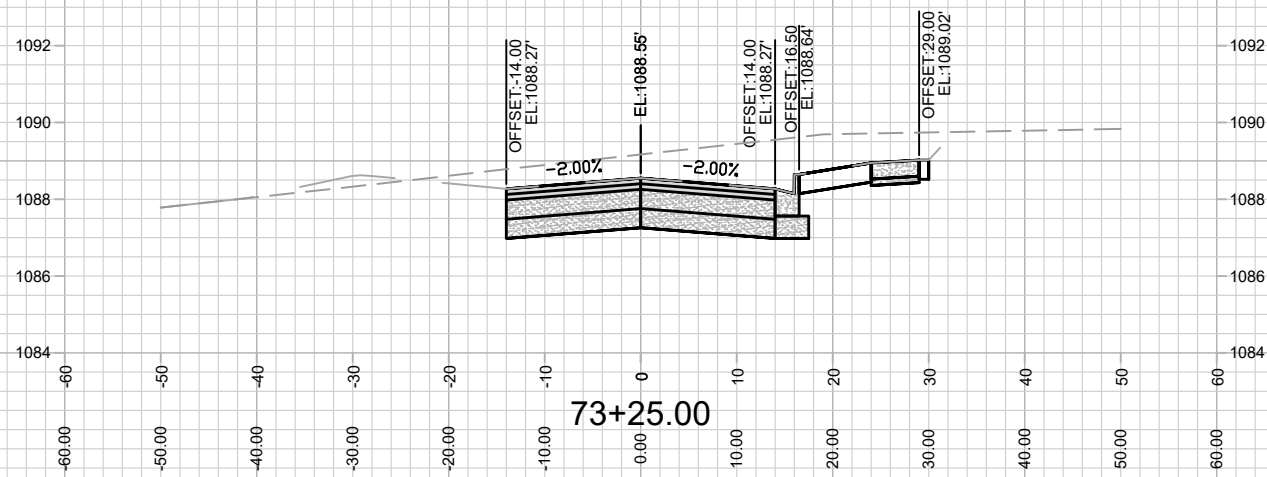
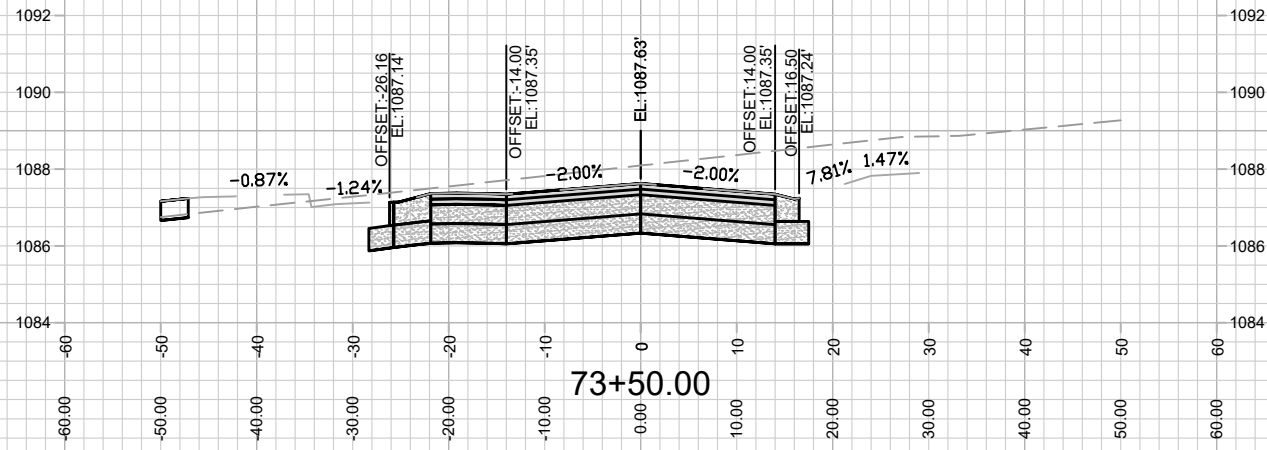
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 ACACIA RIDGE PHASE 7  
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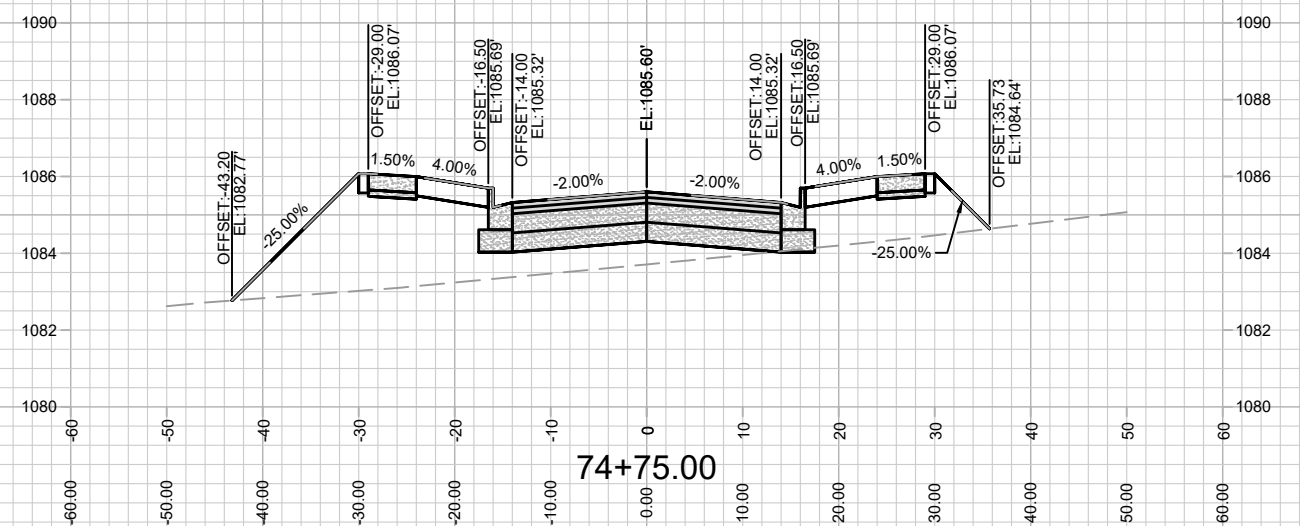
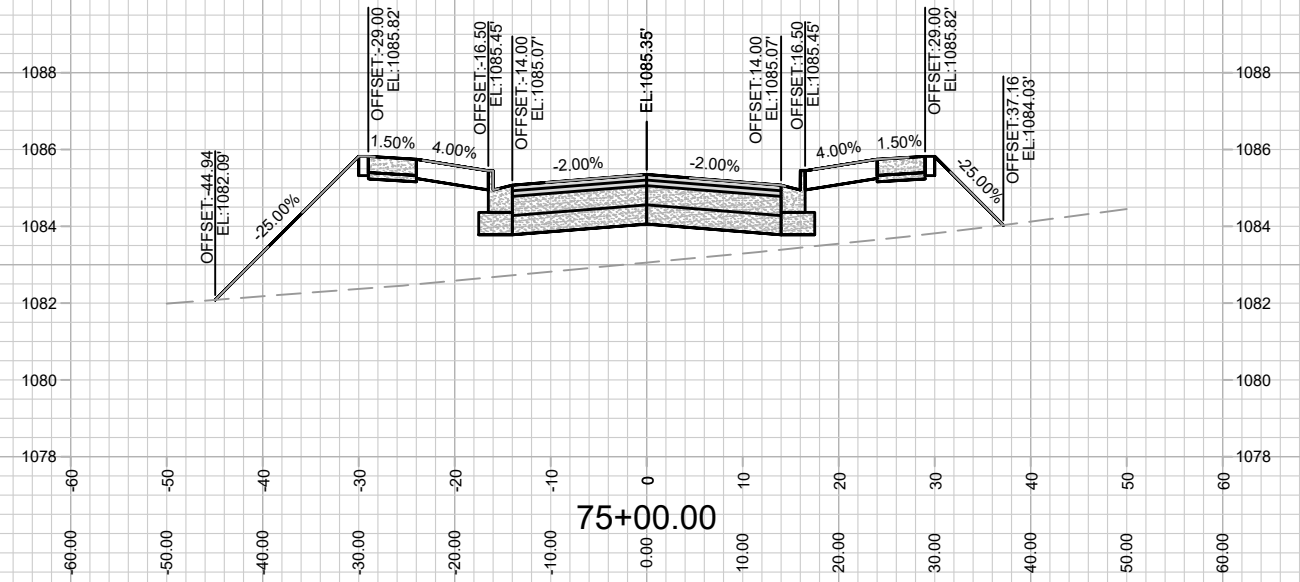
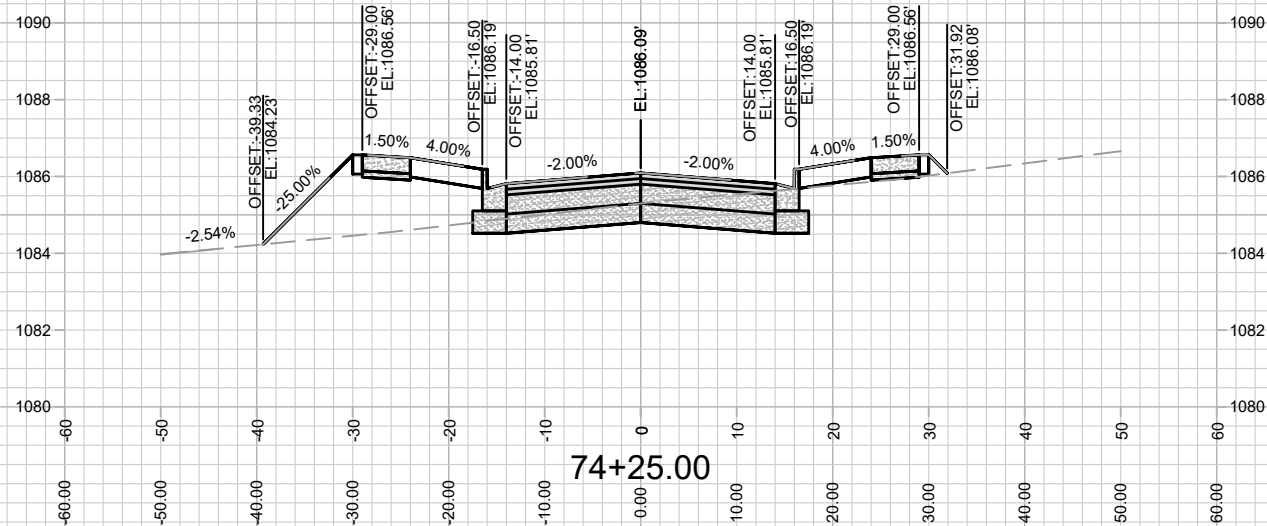
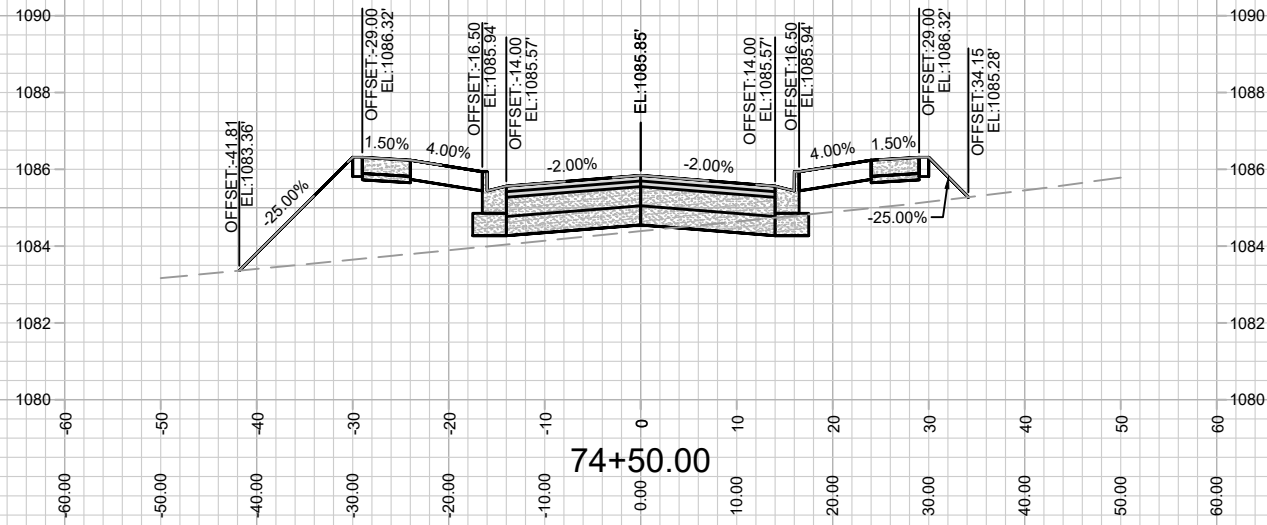


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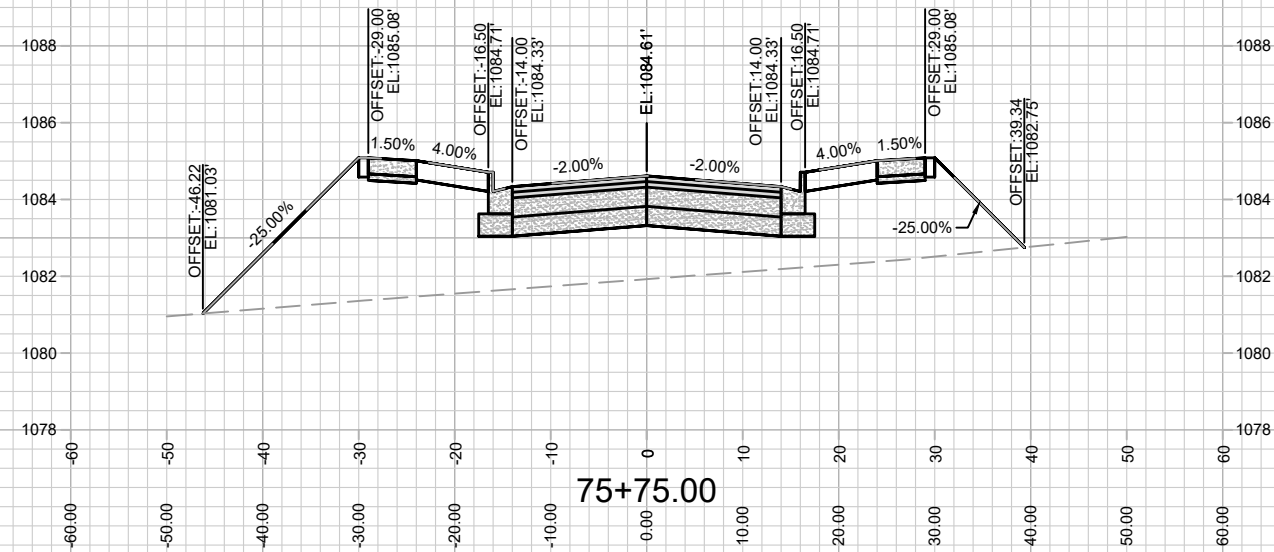
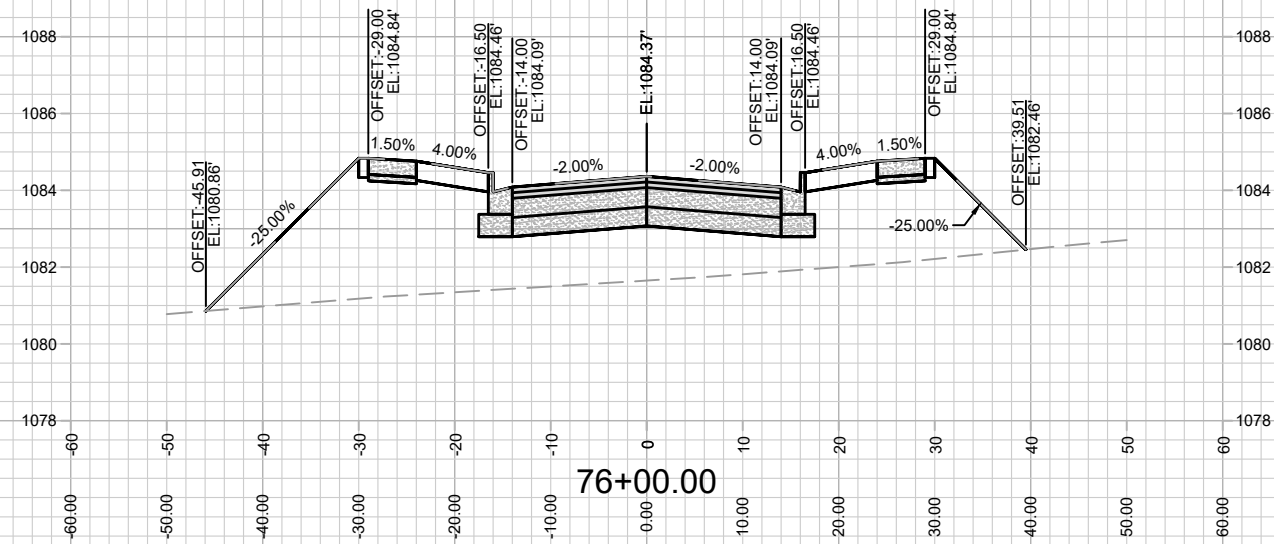
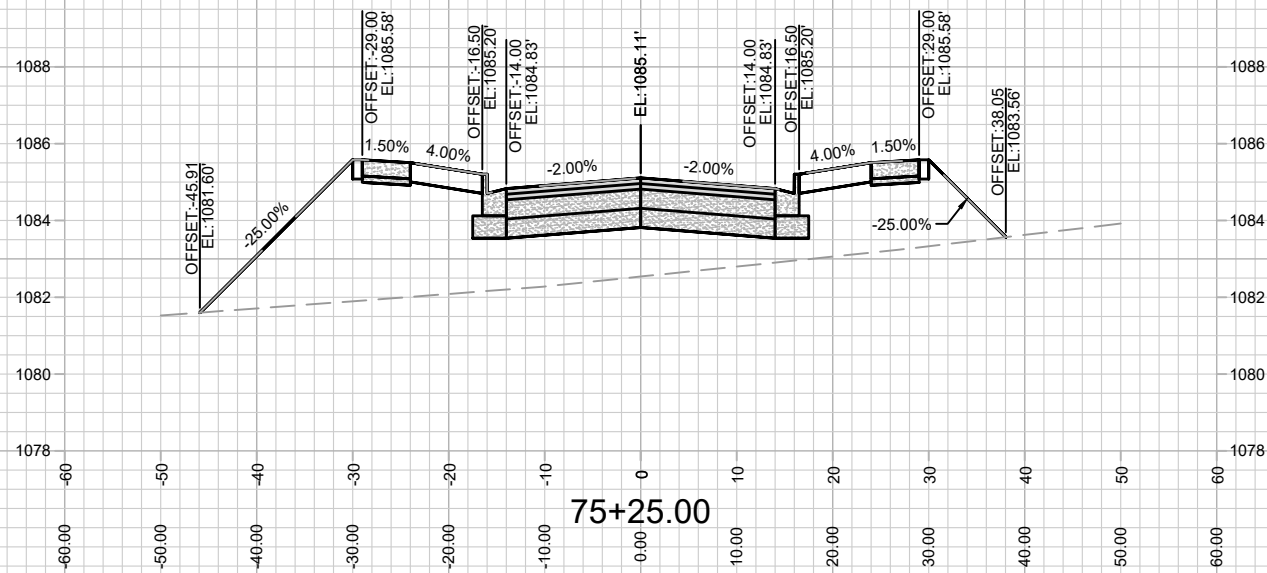
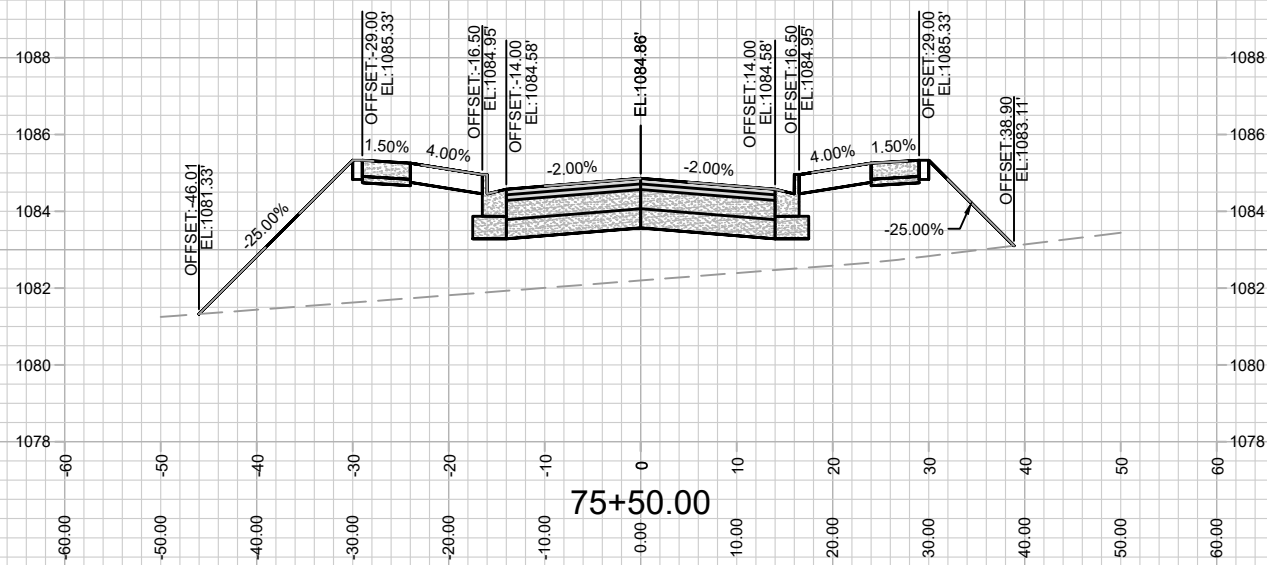
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MADISON, WI  
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CONTRACT NO:

TAWNY ACORN DRIVE - CROSS SECTION  
ACACIA RIDGE PHASE 7  
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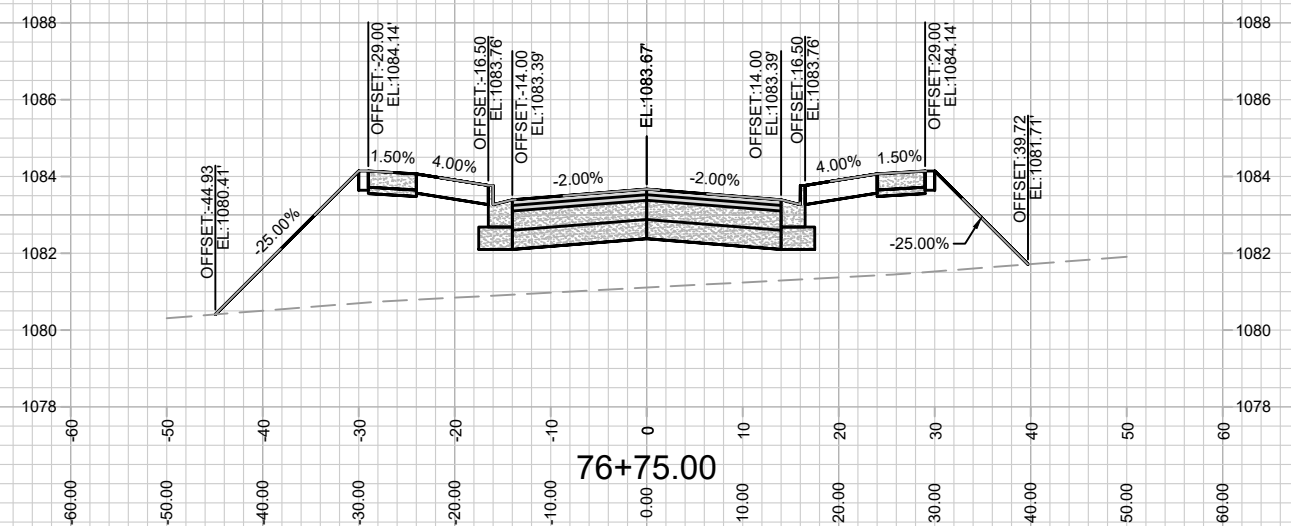
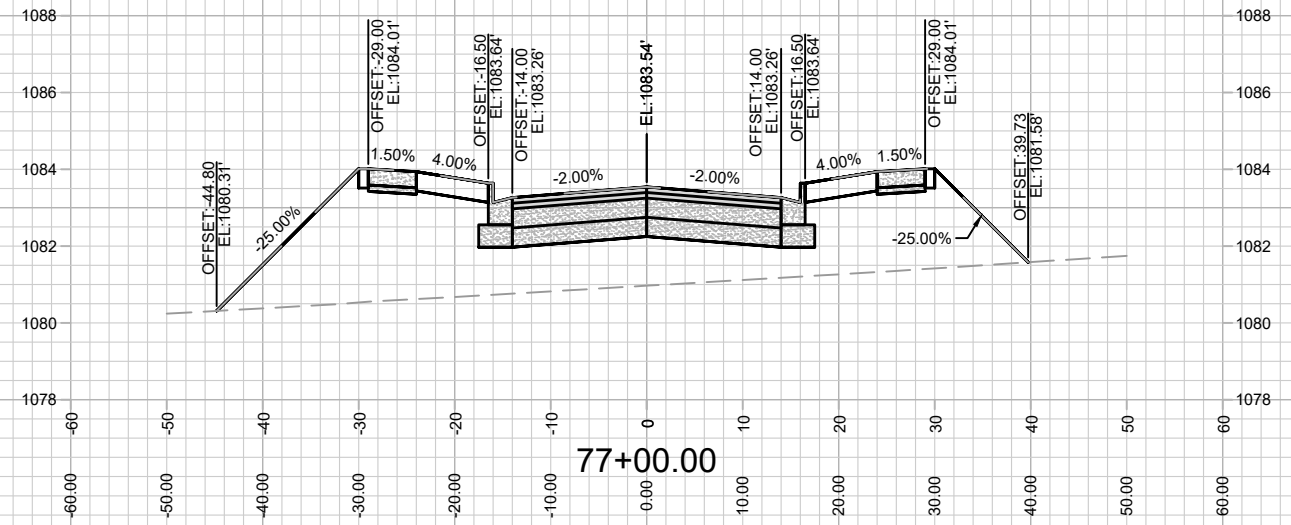
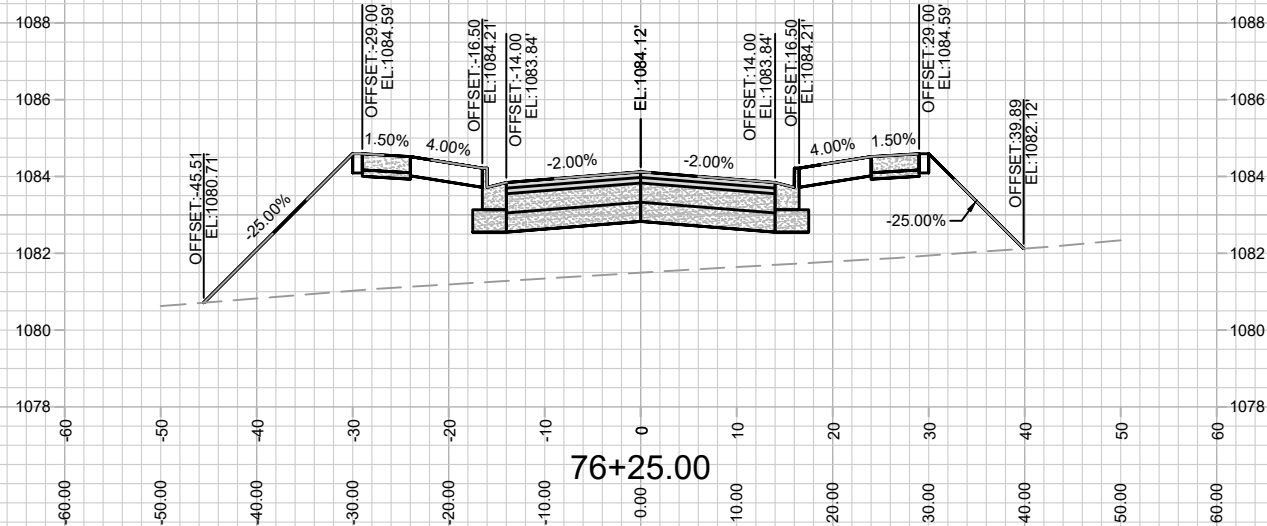
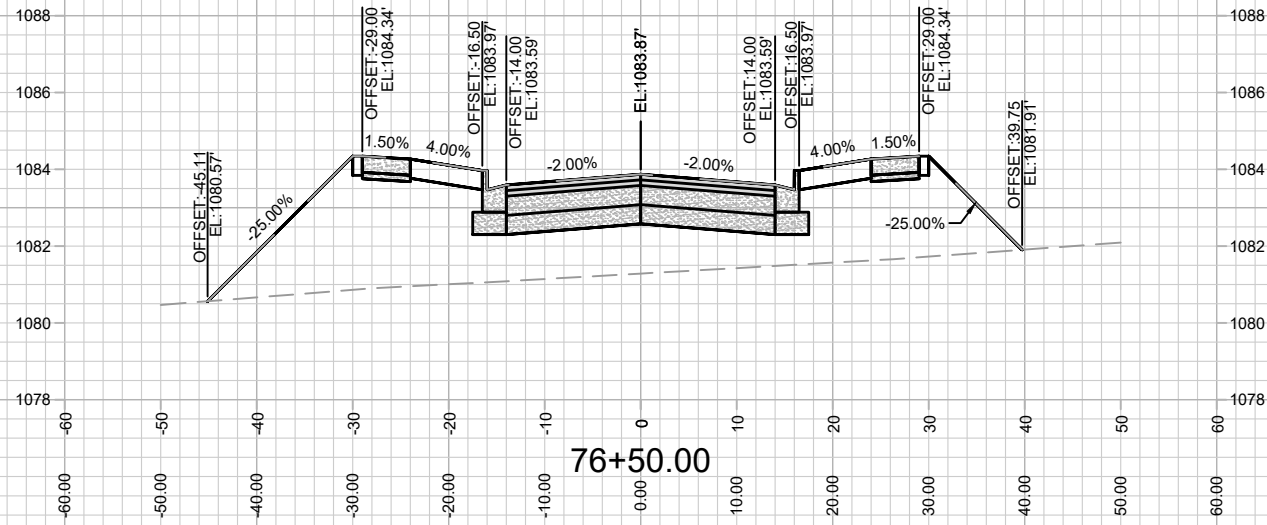


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TAWNY ACORN DRIVE - CROSS SECTION  
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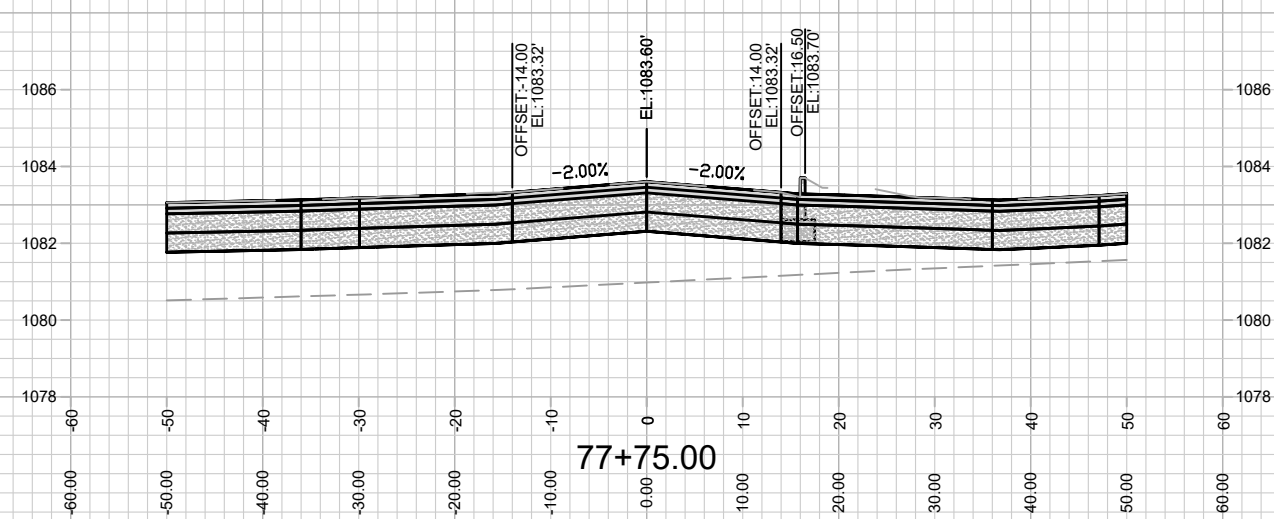
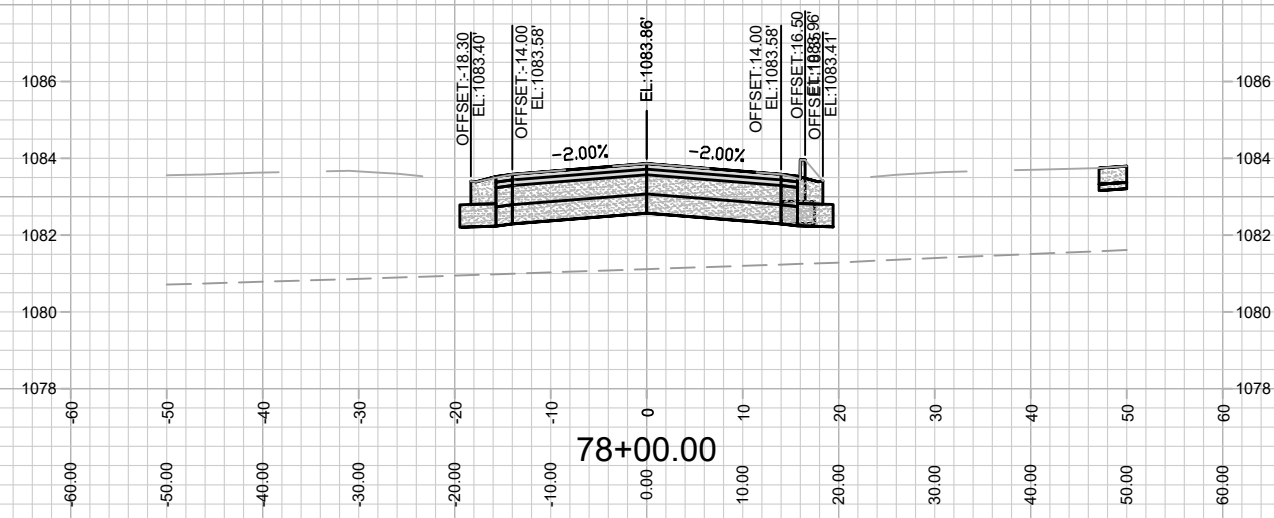
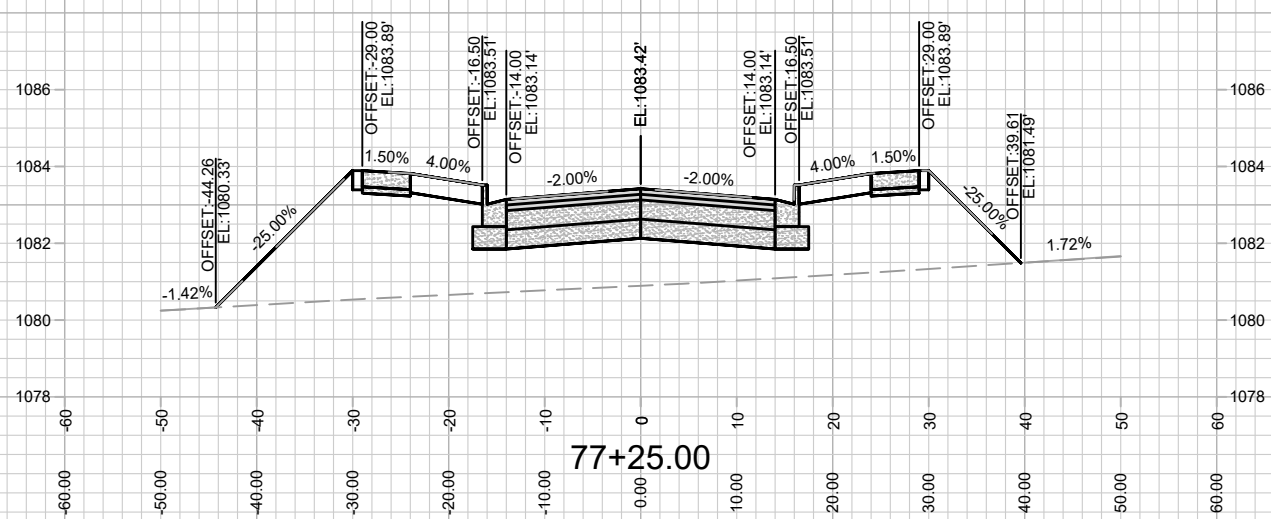
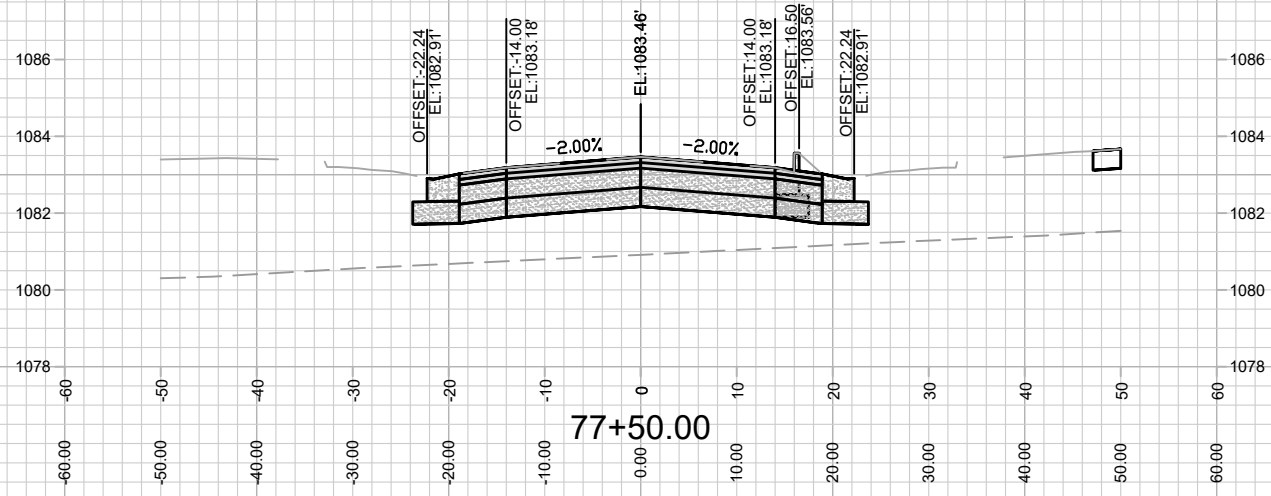
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MADISON, WI  
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TAWNY ACORN DRIVE - CROSS SECTION  
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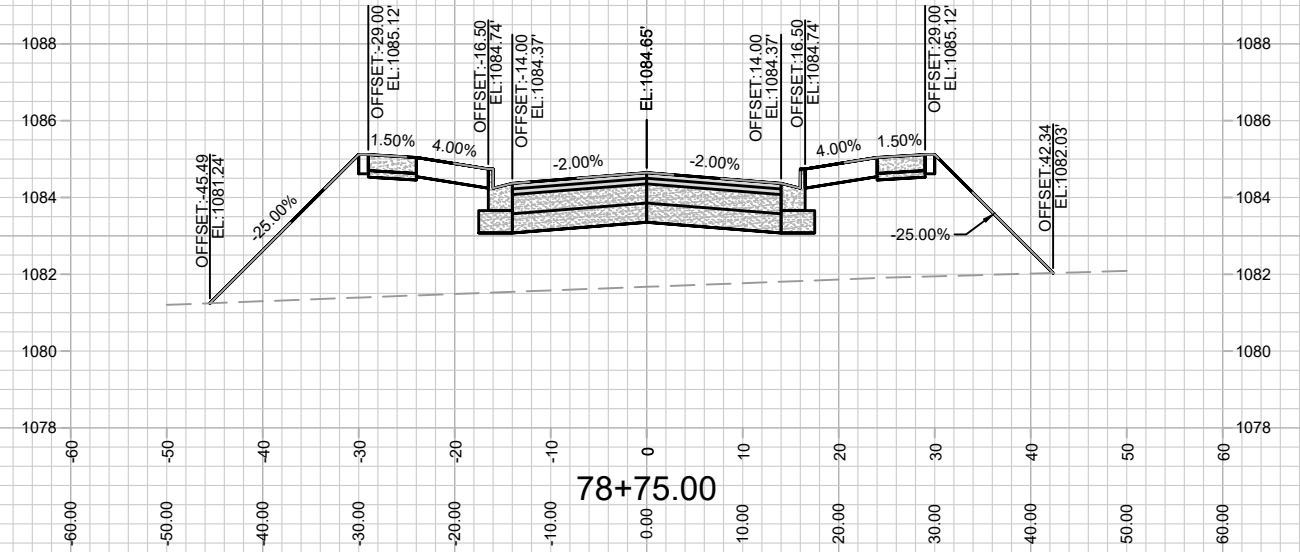
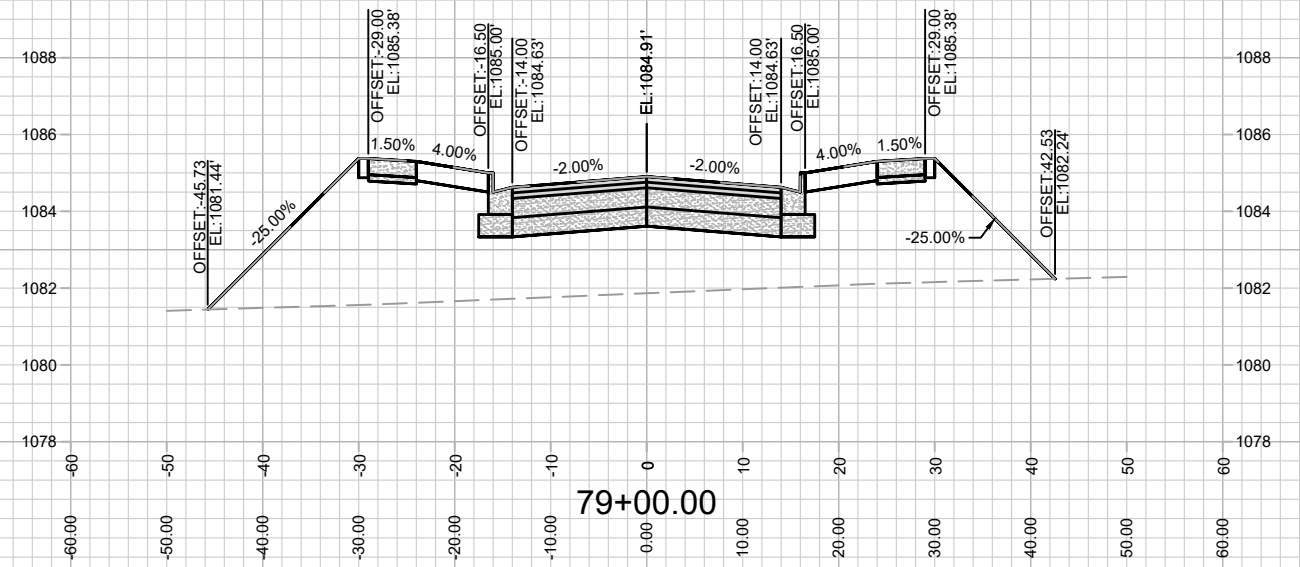
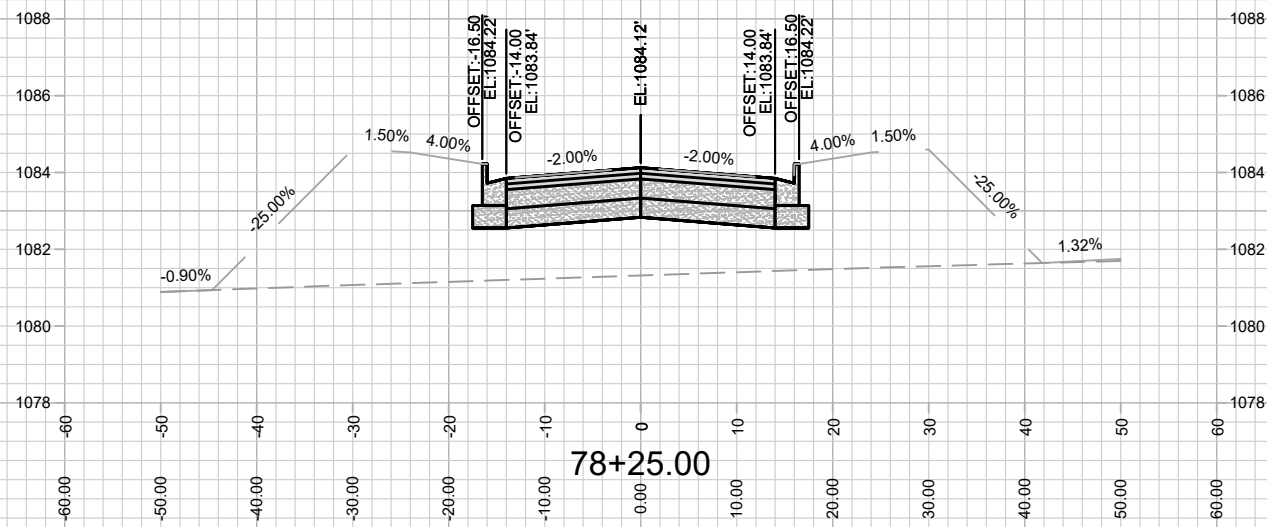
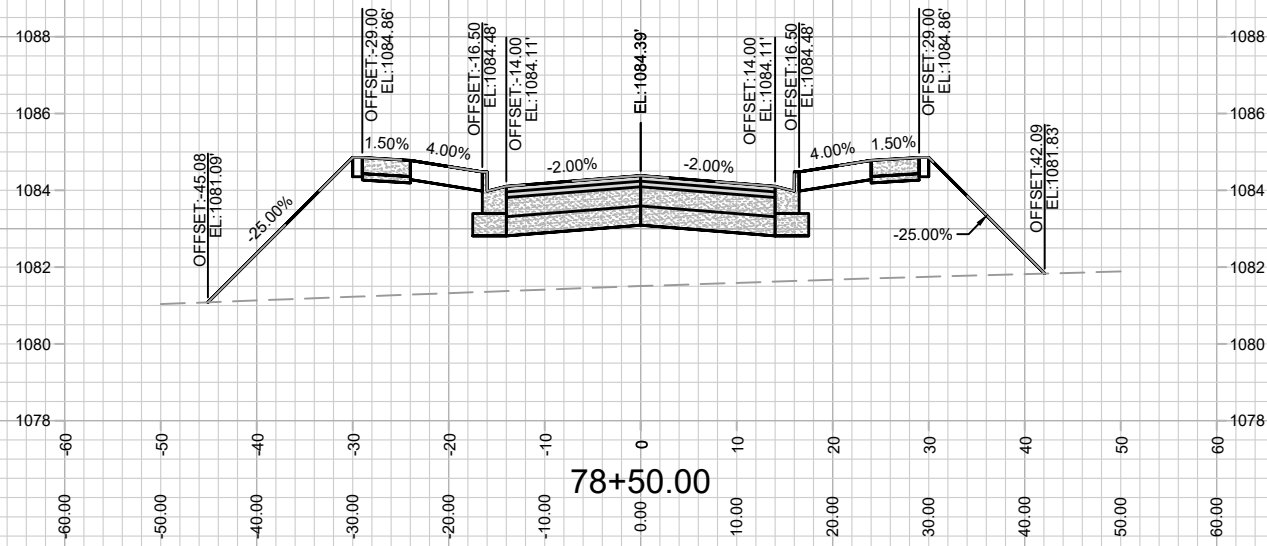
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MADISON, WI  
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TAWNY ACORN DRIVE - CROSS SECTION  
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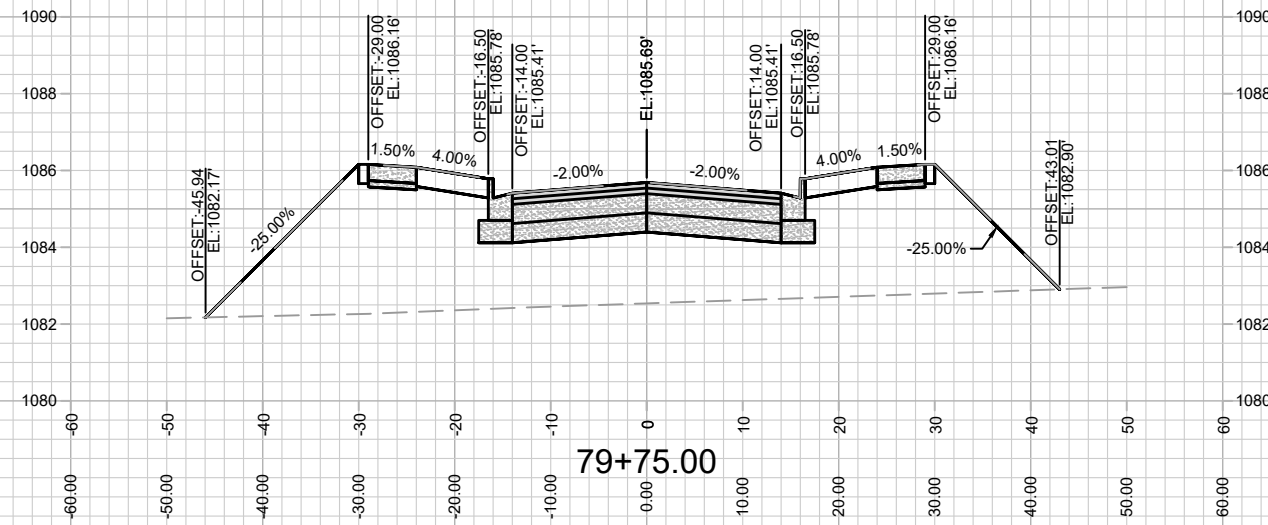
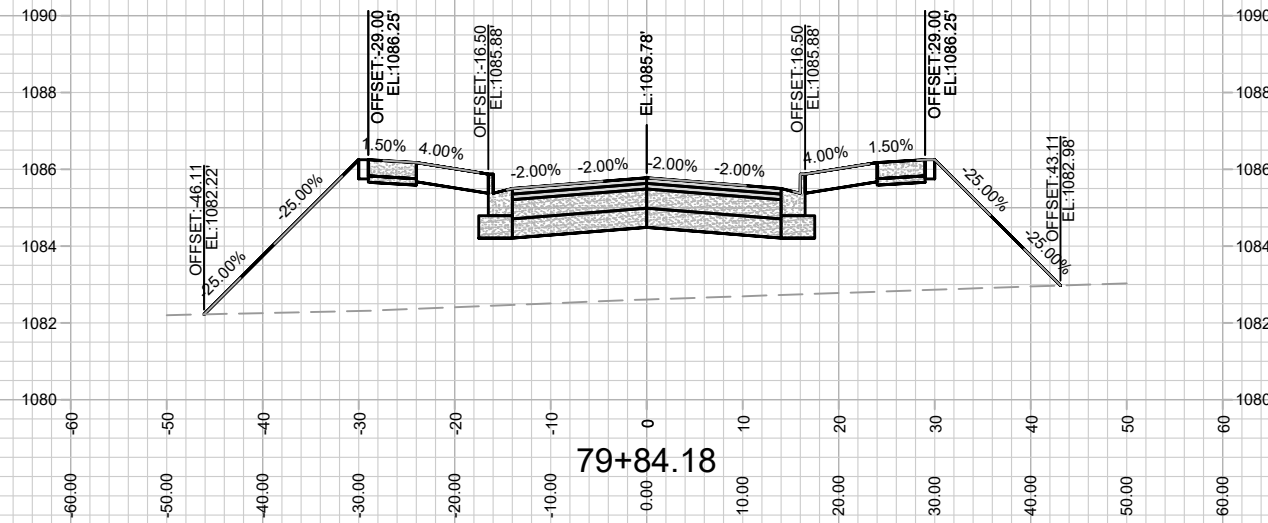
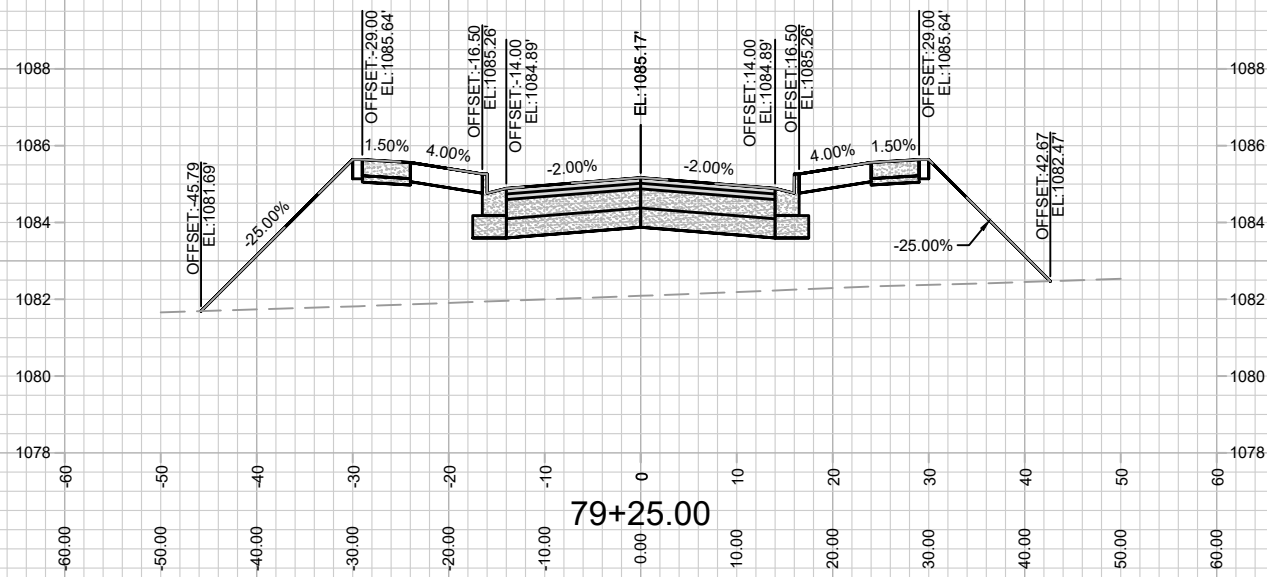
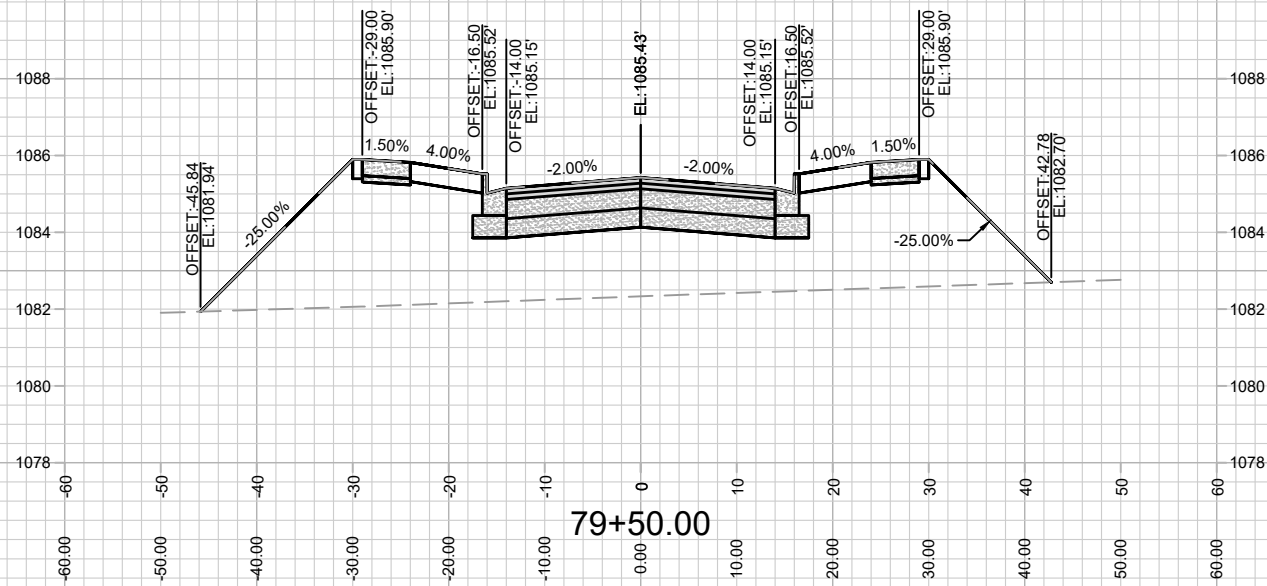
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ACACIA RIDGE PHASE 7  
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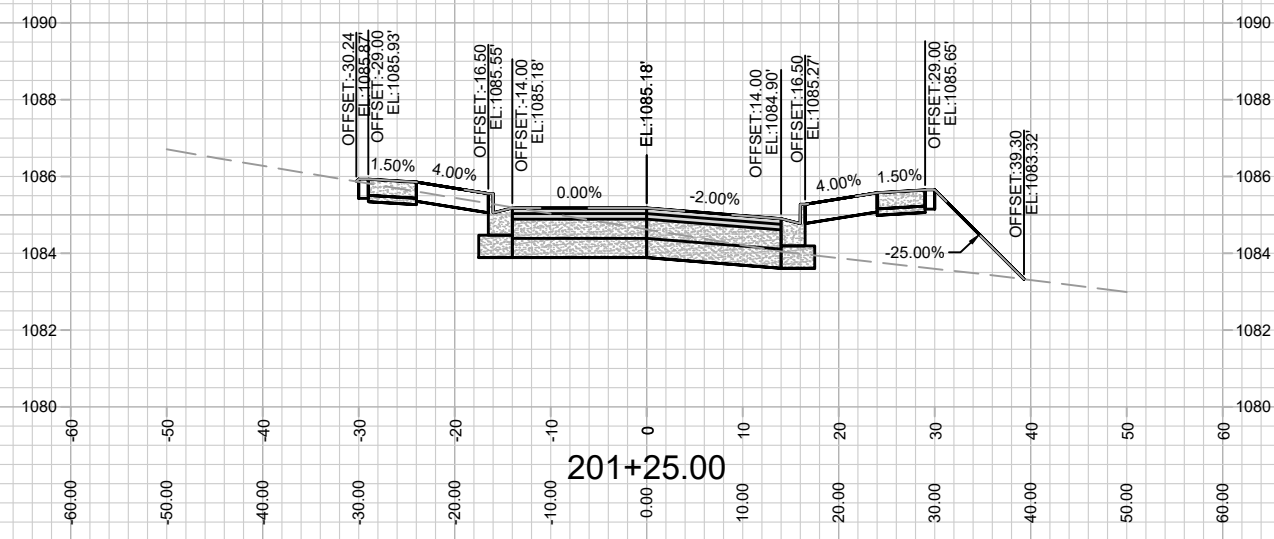
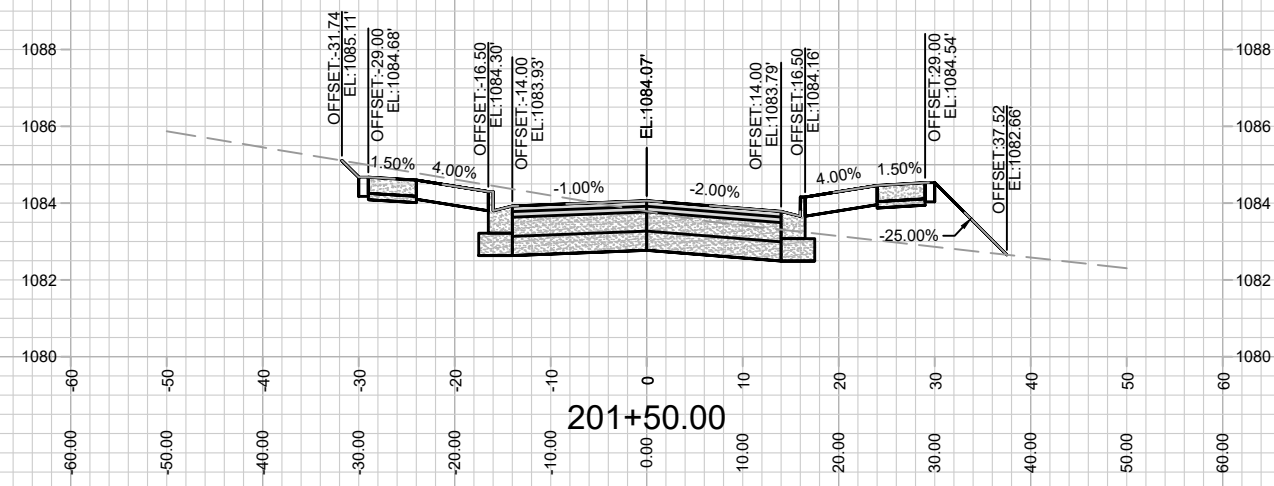
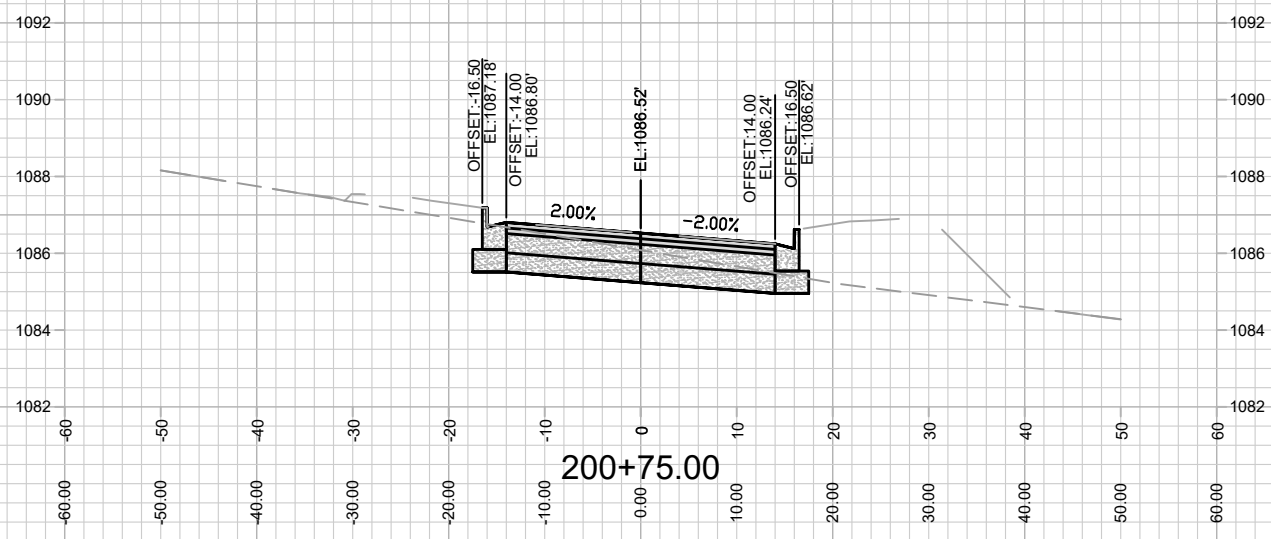
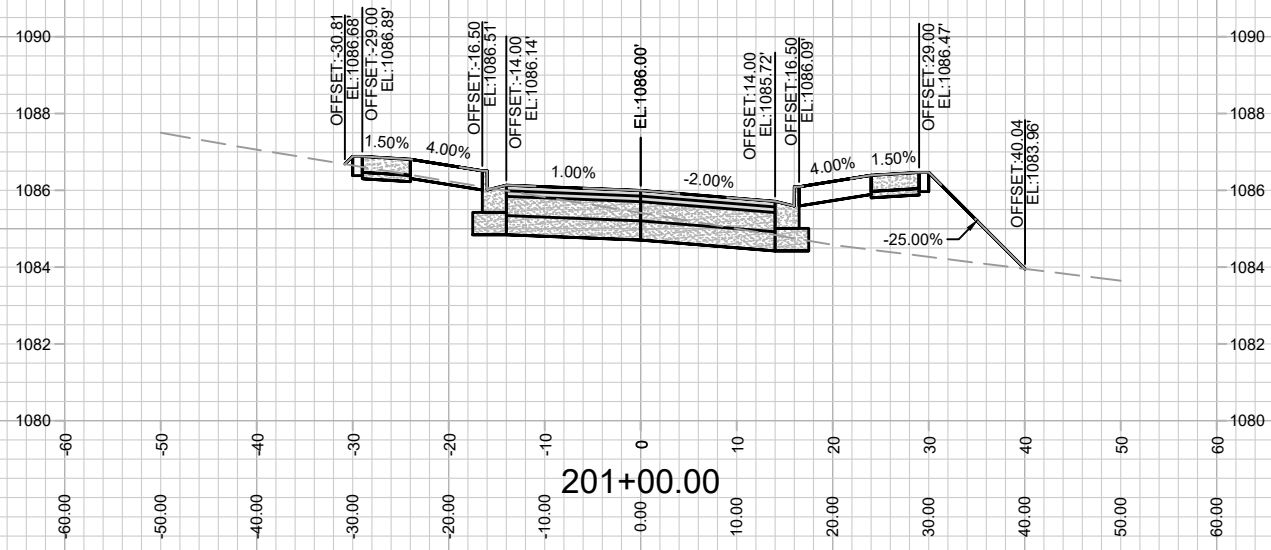
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TAWNY ACORN DRIVE - CROSS SECTION  
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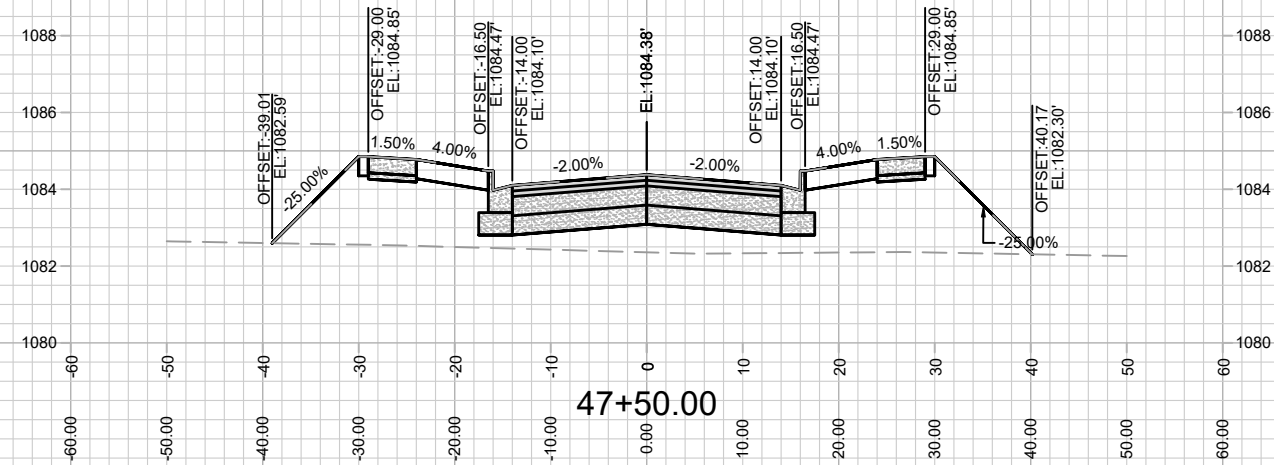
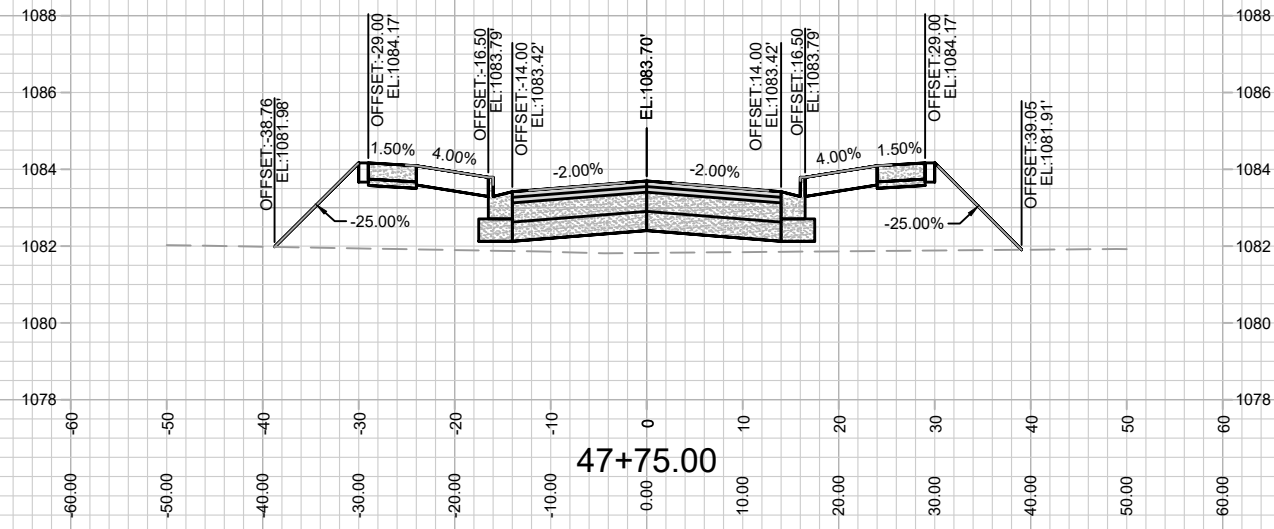
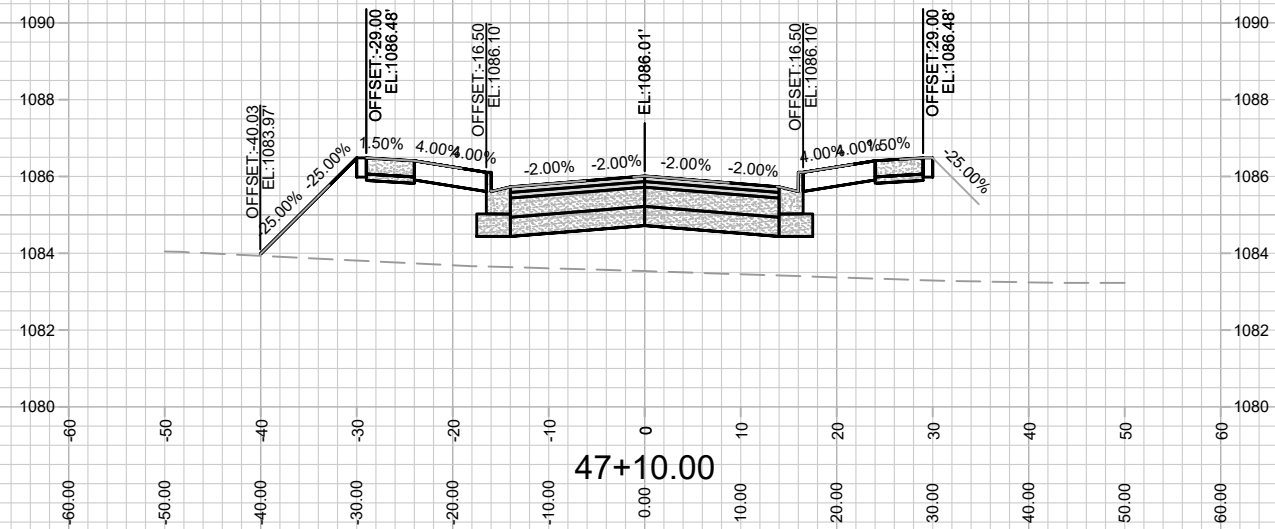
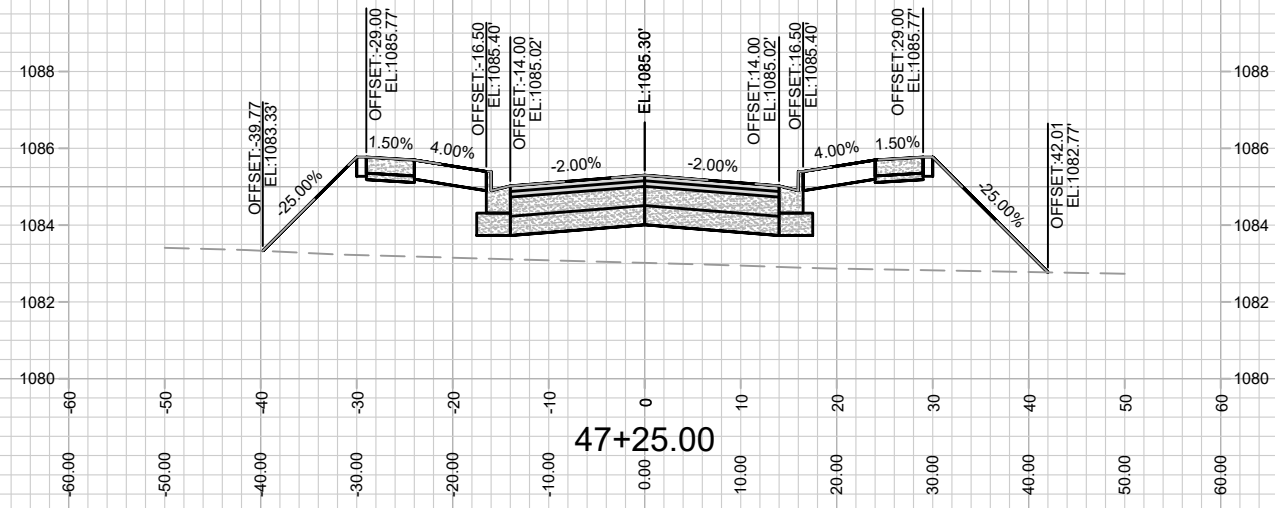
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FEATHER SOUND DRIVE - CROSS SECTION  
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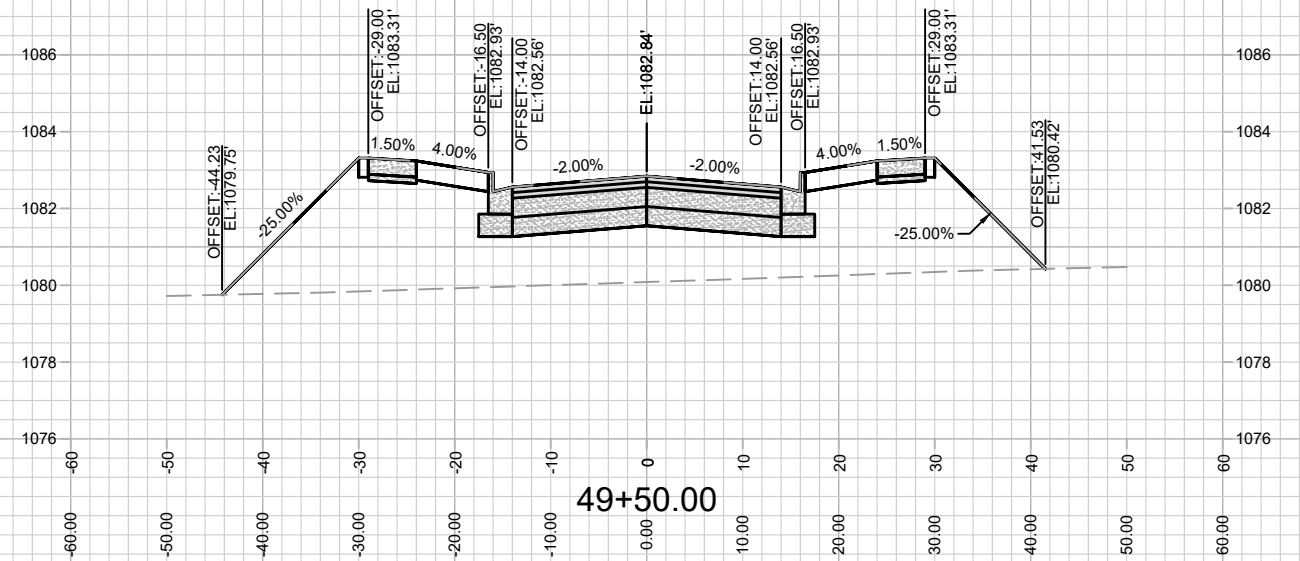
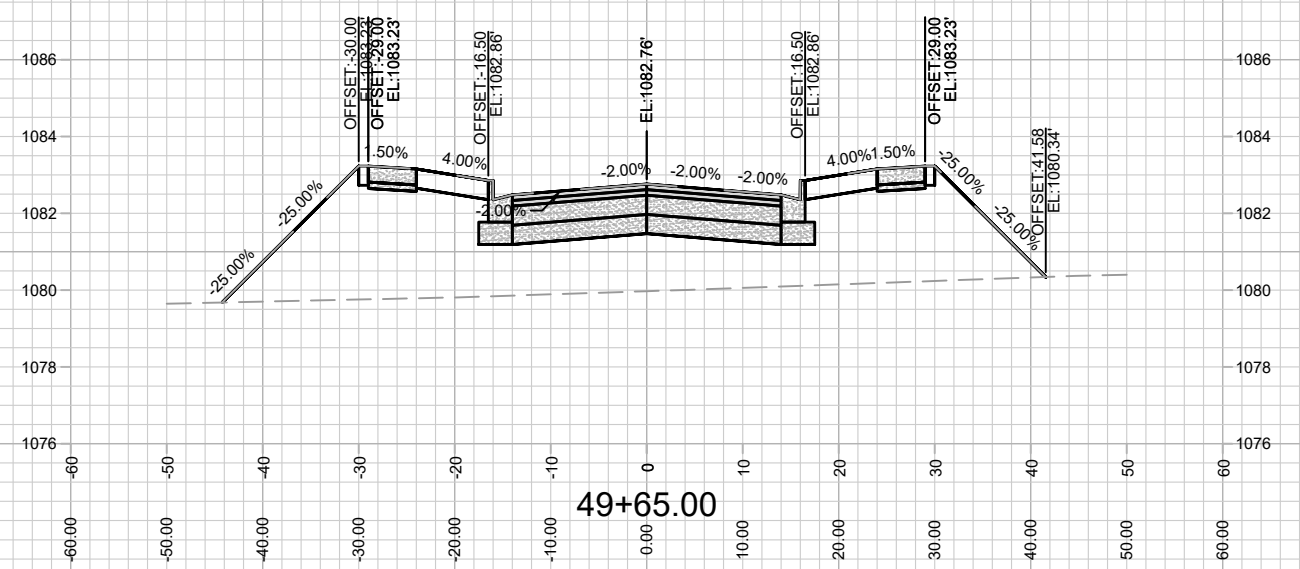
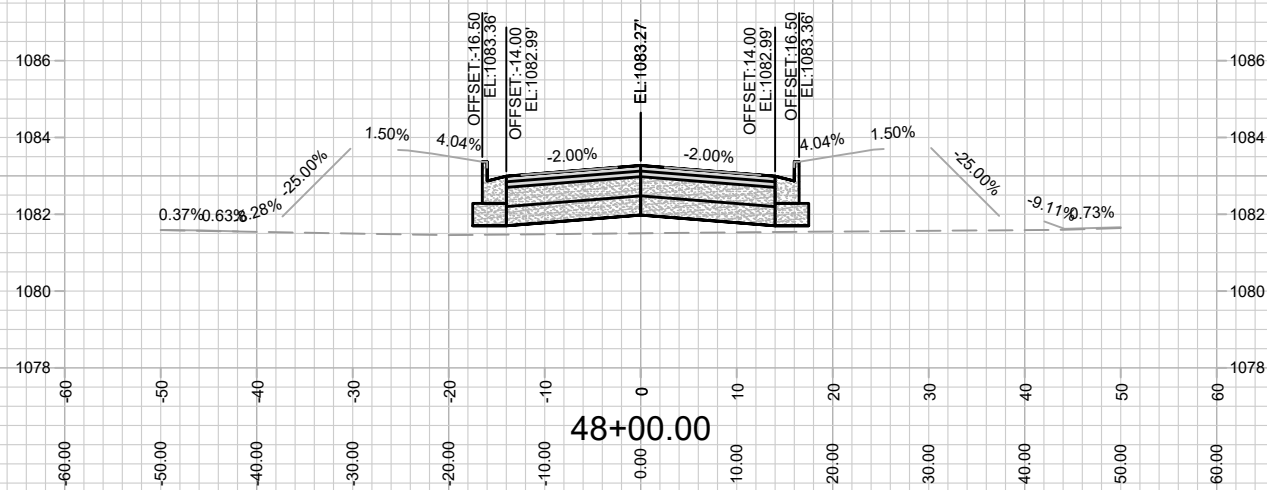
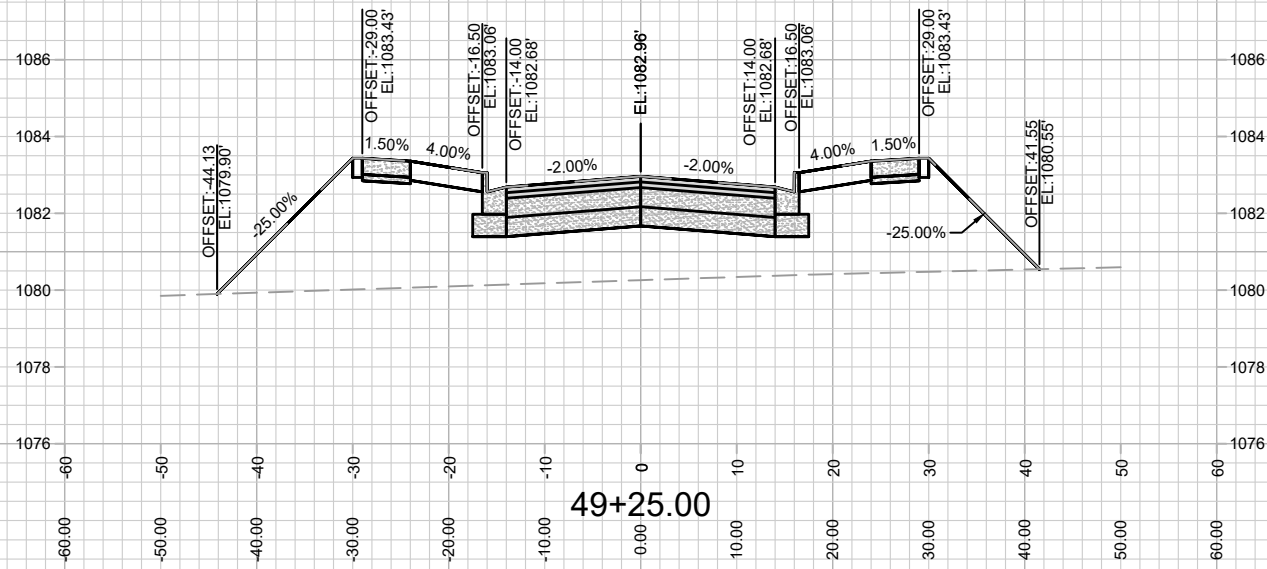
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SEVEN WINDS TRAIL - CROSS SECTION  
ACACIA RIDGE PHASE 7  
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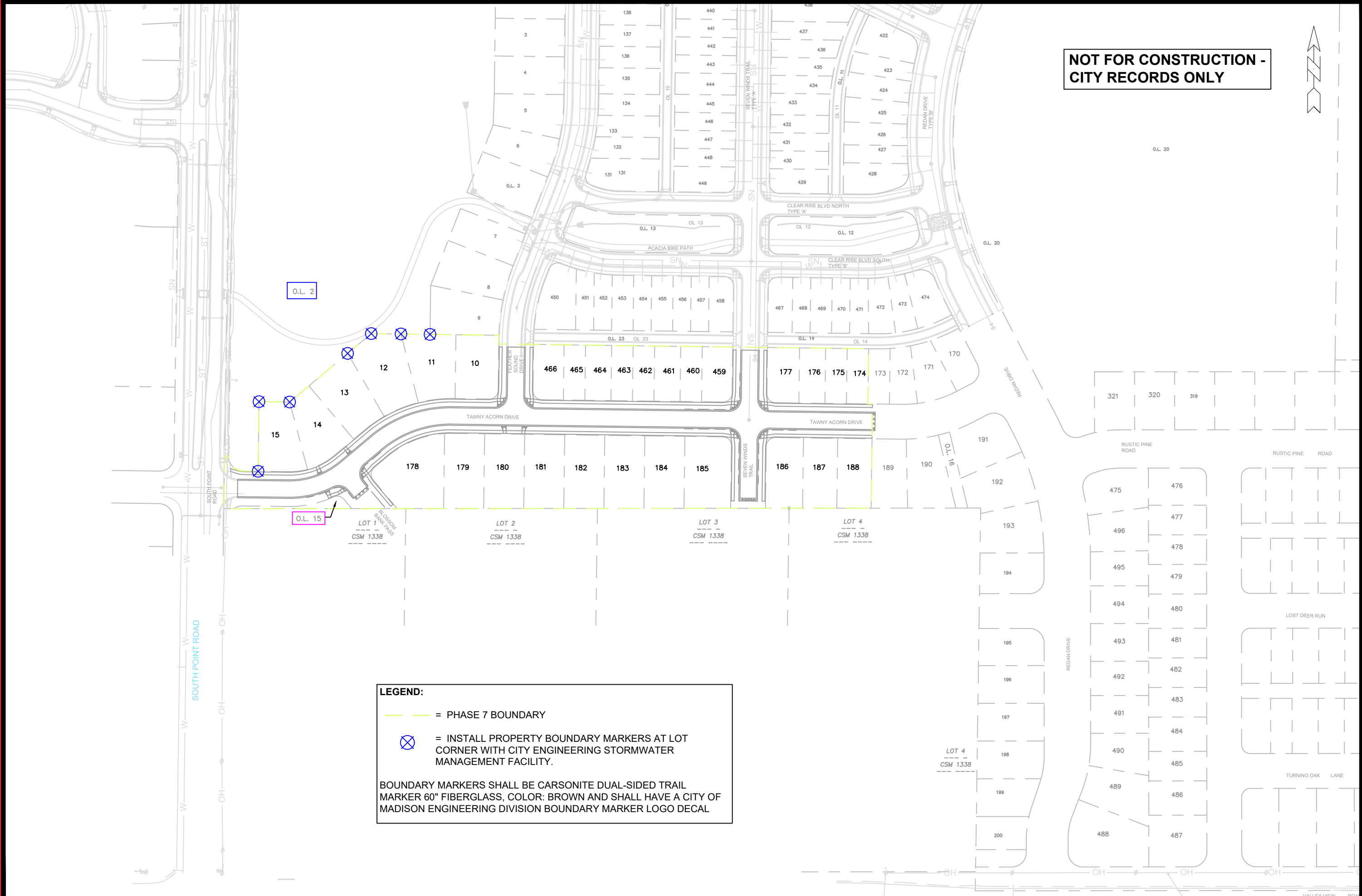
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SEVEN WINDS TRAIL - CROSS SECTION  
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X-19

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CITY RECORDS ONLY



**LEGEND:**

--- = PHASE 7 BOUNDARY

⊗ = INSTALL PROPERTY BOUNDARY MARKERS AT LOT CORNER WITH CITY ENGINEERING STORMWATER MANAGEMENT FACILITY.

BOUNDARY MARKERS SHALL BE CARSONITE DUAL-SIDED TRAIL MARKER 60" FIBERGLASS, COLOR: BROWN AND SHALL HAVE A CITY OF MADISON ENGINEERING DIVISION BOUNDARY MARKER LOGO DECAL

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PROPERTY BOUNDARY MARKER  
ACACIA RIDGE PHASE 7  
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PBM-1

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REQUIRED SNOW  
REMOVAL BY CITY

SNOW REMOVAL BY  
DEVELOPER

**MAINTENANCE LEGEND:**

- = TERRACE REQUIRE MOWING BY CITY
- = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
- = CROSSWALK OR CONCRETE WATERWAY REQUIRE SNOW REMOVAL BY CITY
- = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)
- = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- = PUBLIC CITY PARK PROPERTY
- = PRIVATE OUTLOT
- = PHASE BOUNDARY

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MAINTENANCE PLAN  
ACACIA RIDGE PHASE 7

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